DOCUMENT RESUME

ED 146 007 SE 022 423

AUTHOR	Conlon, Nancy M.; And Others
TITLE	Characteristics of the National Sample of Scientists and Engineers 1974. Part 2. Employment.
INSTITUTION	National Science Foundation, Washington, D.C. Div. of Science Resources Studies.
REPORT NO	NSF-76-323
PUB DATE	Nov 76
NOTE	401p.; For Part 1, see ED 128 190 and for Part 2, see SE 022 534; Contains occasional small print
AVAILABLE FROM	Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (Stock Number 038-000-00306-2, $2.80)
EDRS PRICE	MF-$0.83 HC-$22.09 Plus Postage.
DESCRIPTORS	*Census Figures; Demography; Employment Level; *Employment Patterns; *Engineers; National Demography; Population Education; *Scientific Manpower; *Scientists; Surveys
IDENTIFIERS	National Science Foundation

ABSTRACT

This is the second of three reports on the 1974 National Survey of Scientists and Engineers conducted by the Bureau of the Census. It presents employment data for those respondees included in one of eight fields of science or engineering. The data are presented in detailed statistical tables; notes on the sample, questionnaire, and procedures used in the study are included. A summary section discusses such factors as unemployment rates, salaries, age, race, type of employer, primary work activity, federal support, and women. (MS)

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ED146007

Surveys of Science
Resources Series
National Science Foundation
NSF 76-323

Characteristics of the National Sample of Scientists and Engineers 1974

Part 2
Employment

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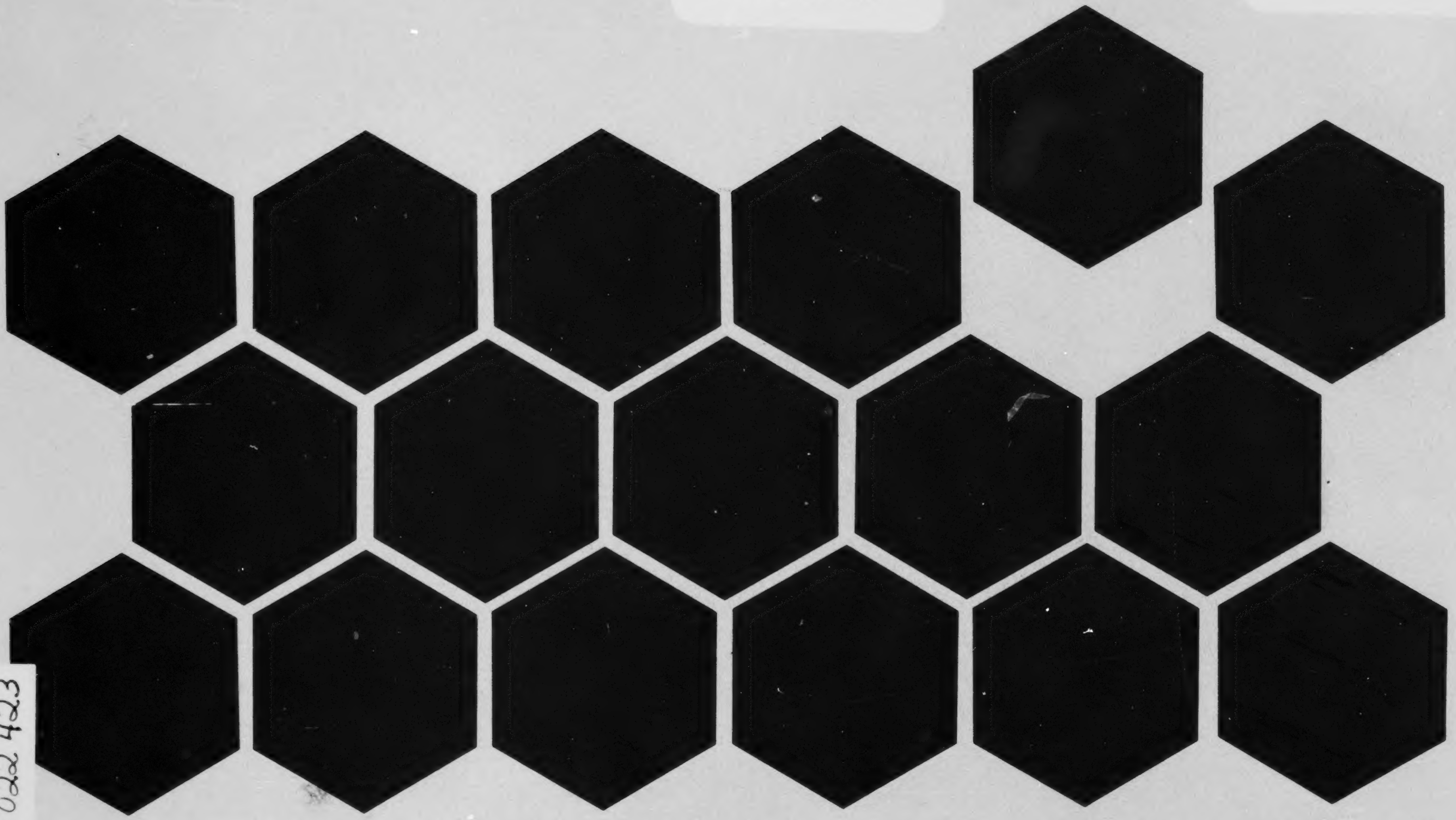

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FOREWORD

This volume is the second of three reports on the 1974 National Survey of Scientists and Engineers (National Sample) which was conducted by the Bureau of the Census for the National Science Foundation. The 1974 survey was the first in a series of longitudinal surveys designed to measure the changes in the demographic, educational, and employment characteristics of the Nation's scientists and engineers who were identified in the 1970 Census of Population. The initial NSF analysis of these data was published in December 1975 and covered demographic and educational characteristics of the National Sample. This report presents detailed information on the employment characteristics of almost 1.1 million scientists and engineers. The third volume, focusing on the geographic characteristics of this same group, will be published later this year.

We would like to thank the Bureau of the Census for their cooperation in conducting the survey, and also the 50,000 scientists and engineers in the sample who provided the data for this report.

The report was prepared in the Division of Science Resources Studies with overall guidance provided by Robert R. Trumble, Head, Manpower Studies Section.

Charles E. Falk
Director, Division of Science
Resources Studies

November 1976

general notes

Data included in this report are from the National Sample of Scientists and Engineers only.

The 1.1 million scientists and engineers represented by the National Sample in 1974 constitute about three-fifths of the estimated total scientists and engineers in the United States in 1974. The data presented here do not include those scientists and engineers who have entered science and engineering since April 1970 when the Decennial Census of Population was conducted.

Detailed data presented in the text tables may not add to the total because of rounding.

acknowledgments

This survey was planned and directed by J. James Brown, Study Director, Manpower Characteristics Studies Group. The report was prepared by Nancy M. Conlon with the assistance of Gayle F. Barker and John A. Scopino.

The survey was conducted by the Bureau of the Census. Principal participants there were Paula J. Schneider, Mary K. Friday, Thomas J. Palumbo, Ann M. Gifford, and Patricia L. Marks. Overall direction was provided by Murray S. Weitzman, Assistant Division Chief (Socioeconomic Statistics Programs), Population Division. Invaluable assistance by all is gratefully acknowledged.

CONTENTS

Page

FOREWORD iii

INTRODUCTION 1

SUMMARY 2

1974 Population Included in the National Sample 2
Unemployment Rates 2
Salaries 3
Age 4
Race 5
Type of Employer 5
Primary Work Activity 7
Work in Problem Areas of Critical National Interest 10
Federal Support 10
Women 11

APPENDIXES:

A. Technical Notes 15
B. Detailed Statistical Tables 28
C. A Listing of Detailed Statistical Tables in Parts 1 and 3 207
D. Reproduction of 1974 Questionnaire and Reference Lists 208

INTRODUCTION

This is the second of three reports on the 1974 National Survey of Scientists and Engineers. It presents employment data for members of the National Sample who responded to the 1974 survey and met the requirements for inclusion in one of eight fields of science or engineering. These individuals and all others in the National Sample were identified as scientists and engineers in 1970.

The 1974 National Survey of Scientists and Engineers was the first in a series of planned longitudinal surveys to be conducted biennially on a sample of 50,000 scientists and engineers. Findings from the 1974 and future surveys will allow for the examination of changes in characteristics of scientists and engineers over a substantial period of time, as well as providing information for a specific point in time.

The technical notes in appendix A contain information on the sample, the questionnaire, definitions and explanations used in the survey, weighting and estimating procedures and standard errors of totals and percentages.

The data presented in the detailed statistical tables appearing in appendix B have not been rounded as standard error tables are provided for use by the reader. Although not every datum has a standard error printed herein, a range of values is provided so that an appropriate standard error may be interpolated. Tables appearing in the text have been rounded to allow for clarity of discussion. Separate statistics are shown for women as well as for both sexes.

Appendix C lists the detailed statistical tables which were published in part 1 and those planned for inclusion in part 3. The questionnaire and reference lists used in the survey are reproduced in appendix D.

SUMMARY

1974 Population Included in the National Sample

In 1972, at the time of its development, the National Sample represented 1.4 million scientists and engineers. Over the period 1972-74 about 10 percent (148,000 individuals) moved out of science and engineering (S/E) fields. This attrition can be attributed to a number of factors including retirement, transfer to other types of endeavor, death, and emigration. In addition, about 12 percent of the sample, representing 172,000 scientists and engineers, did not respond in 1974; therefore, no estimate was made in this report of their 1974 characteristics. The data represent about 1.1 million scientists and engineers of whom over 1.0 million were in the 1974 S/E labor force including 11,000 unemployed.

The 1.1 million scientists and engineers constituted about 55 percent of the approximately 2 million in the United States in 1974. The 1.0 million in the National Sample labor force accounted for 61 percent of the estimated total 1974 S/E labor force.

In the above-mentioned instance, as throughout this report, comparisons are made between the total scientists and engineers in the United States and the National Sample. Generally, proportions computed for the two groups are about the same except for some demographic parameters such as age, sex, and race.

Unemployment Rates

The estimated 1974 unemployment rate for the total S/E population was 1.0 percent. Those included in the National Sample reported a slightly higher unemployment rate, 1.1 percent. This rate was considerably less than the 1.9 percent reported in 1972.[1] The rate declined for 14 of the 17 fields included in the National Sample indicating that 1974 was a healthy economic year for scientists and engineers.

Changes in the 1970 science/engineering labor force: 1972 and 1974

Identified as scientists and engineers in the 1970 Decennial Census (1972)	1,400,000
Individuals not meeting criteria for inclusion in 1974	[1]-148,000
Labor force	141,000
Employed	[2]139,000
Unemployed and seeking	2,000
Not in labor force	7,000
Retired	3,000
Student	2,000
Other (incl. emigration, family responsibilities and some deaths, etc.)	2,000
Nonrespondents 1974	-172,000
	-320,000
1974 base of 1970 scientists and engineers	1,080,000
Not in labor force 1974	[3]-56,000
1974 labor force of 1970 scientists and engineers	1,024,000
Unemployed and seeking in 1974	-11,000
Employed in 1974	1,013,000

[1] This total represents those individuals who no longer met 2 of 3 criteria (major field of study for highest degree in science or engineering, occupation in science or engineering, professional identification as a scientist or engineer) - the condition needed to remain in scope in 1974.

[2] Mainly in non-S/E occupations.

[3] Includes those who retired, went back to school etc.

Source: National Science Foundation, National Sample, 1974

Unemployment rates of the 1970 science/engineering labor force: 1972 and 1974

Field	1972	1974
Total	1.9	1.1
Physical scientists	1.8	1.3
Chemists	1.7	1.4
Physicists/astronomers	2.2	1.2
Other physical scientists	1.2	.2
Mathematical scientists	1.8	.9
Mathematicians	1.5	1.0
Statisticians	2.8	.7
Computer specialists	1.4	1.0
Environmental scientists	1.6	1.1
Earth scientists	1.7	.9
Oceanographers	1.2	4.2
Atmospheric scientists	1.1	.9
Engineers	2.2	1.1
Life scientists	1.2	1.0
Biological scientists	1.5	1.4
Agricultural scientists	1.0	.7
Medical scientists	1.2	.7
Psychologists	.7	1.1
Social scientists	1.9	1.0
Economists	1.5	.4
Sociologists/anthropologists	.7	1.5
Other social scientists	2.8	1.4

Source: National Science Foundation, National Sample, 1974

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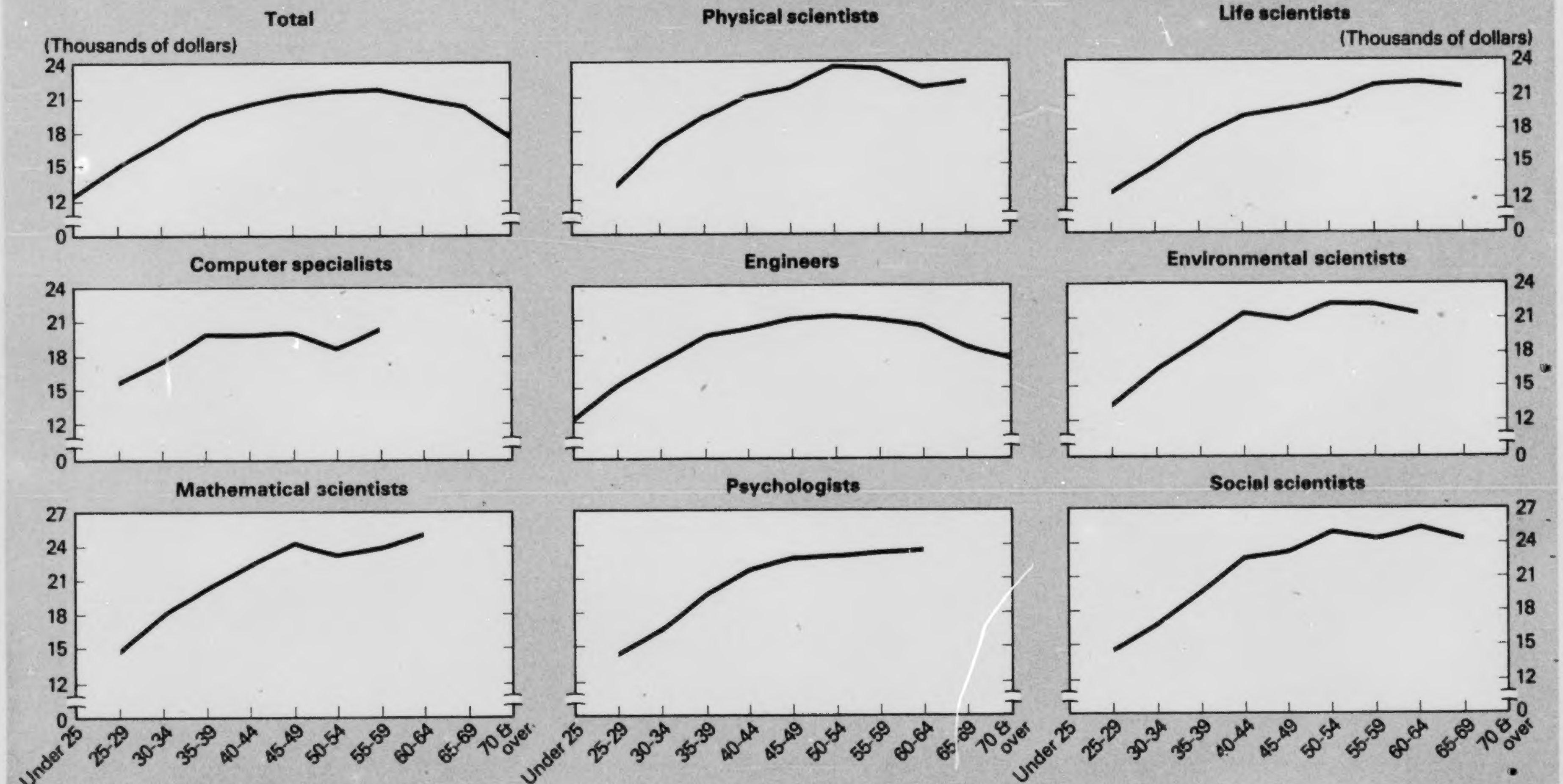
[1] National Science Foundation, *Science Resources Studies Highlights*, "National Sample of Scientists and Engineers: Changes in Employment, 1970-72 and 1972-74" (NSF 75-309) (Washington, D.C. 20550, May 19, 1975).

Salaries

The median annual salary for all scientists and engineers in the National Sample in 1974 was $19,300. Atmospheric scientists and economists reported the highest, $22,300, and agricultural scientists the lowest, $17,100.

Chemists, computer specialists, biological scientists, agricultural scientists, sociologists/anthropologists, and other social scientists all reported median salaries below the overall median. In most cases the proportion of these fields employed by the Federal Government was low, as well as was the proportion working as managers of research and development. The Federal Government was the highest paying employer, and management or administration of research and development was the highest paying type of work activity; hence, the lower median salaries for these six fields.

Median annual salaries of scientists and engineers in the 1970 science/engineering labor force, by field and age: 1974



SOURCE: National Science Foundation, National Sample, 1974.

The decade from 45 years of age to 54, which included over one-fourth of those in the National Sample, are the years in which the peak median annual salaries occurred in one-half of the fields. The other one-half registered their highest median annual salary in the 60- to 64-years-of-age range.

The salary change from the "early" years, ages 25 to 29, to the peak decade averaged about $10,000 with relatively large changes in physics/astronomers (over $15,000), sociology/anthropology ($14,000), statistics ($12,700), biology ($13,000), and a small change in computer specialists ($4,700).

Median annual salaries of scientists and engineers in the 1970 science/engineering labor force by field: 1974

Field	Salary
Total	$19,300
Physical scientists	19,500
Chemists	18,900
Physicists/astronomers	21,300
Other physical scientists	21,700
Mathematical scientists	19,800
Mathematicians	19,700
Statisticans	20,000
Computer specialists	18,400
Environmental scientists	20,100
Earth scientists	19,700
Oceanographers	20,700
Atmospheric scientists	22,300
Engineers	19,400
Life scientists	17,800
Biological scientists	17,900
Agricultural scientists	17,100
Medical scientists	19,700
Psychologists	19,400
Social scientists	20,200
Economists	22,300
Sociologists/anthropologists	19,000
Other social scientists	18,600

Source: National Science Foundation, National Sample, 1974

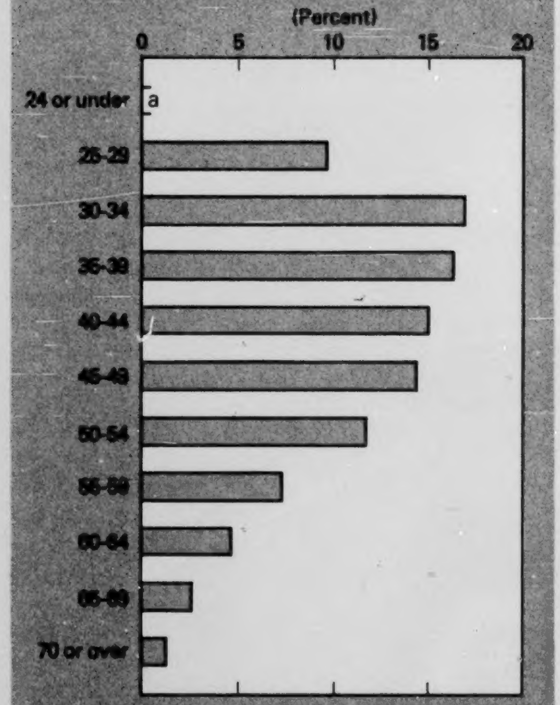
Age

The median age of the National Sample was 41 years in 1974 whereas the median age of the total S/E population was estimated at 36 for the same year. The largest number of scientists and engineers in the National Sample was found in the 30 to 34 years age-group, whereas the largest group of the total S/E population was the 25 to 29 years group. This is not surprising since 1970-74 new labor force entries are not covered by the National Sample. Atmospheric scientists were the oldest group with a median age of 45 and computer specialists the youngest, with 34.

Those in the military showed the lowest median age, 34, and those working in the Federal Government (other than military) the highest, 43.

Scientists and engineers working in business and industry, nonprofit organizations, and government (Federal, State, local and other), showed median ages higher than the median age of all scientists and engineers; those in educational institutions, hospital/clinic and the military reported lower median ages than the total.

Scientists and engineers in the 1970 science/engineering labor force by age: 1974



[a] Less than 0.5 percent.

SOURCE: National Science Foundation, National Sample, 1974.

Race

Few scientists and engineers were members of minority racial groups—only 3.8 percent of the total, of whom 2.2 percent were Chinese, Japanese, or Korean, and 1.0 percent Black. Minority participation was greater for the estimates of the total 1974 S/E population—4.5 percent, of whom 1.9 percent were Chinese, Japanese, or Korean, and 1.6 percent were Black. The National Sample, being a mature group, reflects the minority distribution of 1970 rather than the current situation.

In certain science fields, however, the racial participation level for the National Sample was higher than that for the total S/E population. Among physicists/astronomers, 4.4 percent were Chinese, Japanese, or Korean as were 4.3 percent of the statisticians, 3.9 percent and 3.2 percent, respectively, were Black—all higher than those for the total S/E group.

Salaries for the categories "Black" and "Chinese, Japanese, and Korean" differed from each other and from "Whites," especially within fields. For example, among mathematical scientists, the median annual salary for Chinese, Japanese, and Koreans was higher than that for Whites and Blacks. Among computer specialists, Blacks reported a higher median annual salary than either Whites, or Chinese, Japanese, and Koreans.

Type of Employer

Business and industry employed 56 percent of the scientists and engineers in the National Sample. The remaining 44 percent were distributed into relatively small percents for each type of employer. The distribution by type of employer for the estimated total S/E population in 1974 was very similar to that of the National Sample.

Business and industry employed the highest proportion of physical scientists, computer specialists, engineers, and environmental scientists both in 1972[2] and 1974. With the exception of computer specialists these fields were predominantly male—over 90 percent. Contrasted with business and industry, educational institutions employed the highest proportion of mathematical scientists, life scientists, psychologists, and social scientists—all of whom have a high proportion of women.

Business and industry was the major employer of bachelor's and master's degree-holders while educational institutions employed most of the doctoral scientists and engineers.

Business and industry paid a median annual salary slightly less than the overall median. The Federal Government paid the highest median salaries of all types of employers, with medical scientists reporting the highest of any field—$25,000.

Scientists and engineers in the 1970 science/engineering labor force, by major field and type of employer: 1974

[Percent distribution]

Field	Total	Business and industry	Educational institutions	Hospital and clinic	Nonprofit organization	Federal Government	Military	State & local government	Other government	Other	No report
Total, all fields	100.0	56.0	13.3	1.0	2.8	9.8	.3	7.3	1.9	7.5	.2
Physical scientists	100.0	43.4	23.5	1.2	4.1	9.8	.2	4.8	.7	11.9	.4
Mathematical scientists	100.0	21.0	46.0	.4	2.5	14.7	.5	6.8	.8	6.9	.3
Computer specialists	100.0	60.9	6.2	.8	3.0	7.1	.5	5.1	4.1	12.2	.2
Environmental scientists	100.0	39.5	20.9	—	1.8	17.7	—	9.0	2.3	8.7	.1
Engineers	100.0	69.4	3.1	.1	2.1	8.8	.4	7.2	2.2	6.7	.1
Life scientists	100.0	16.3	42.4	2.4	3.0	18.8	.2	9.9	.5	6.2	.4
Psychologists	100.0	7.0	51.8	15.0	7.5	3.0	.1	7.3	.7	7.4	.4
Social scientists	100.0	14.7	47.4	1.0	6.8	11.6	—	12.0	1.6	3.8	1.1

Source: National Science Foundation, National Sample, 1974

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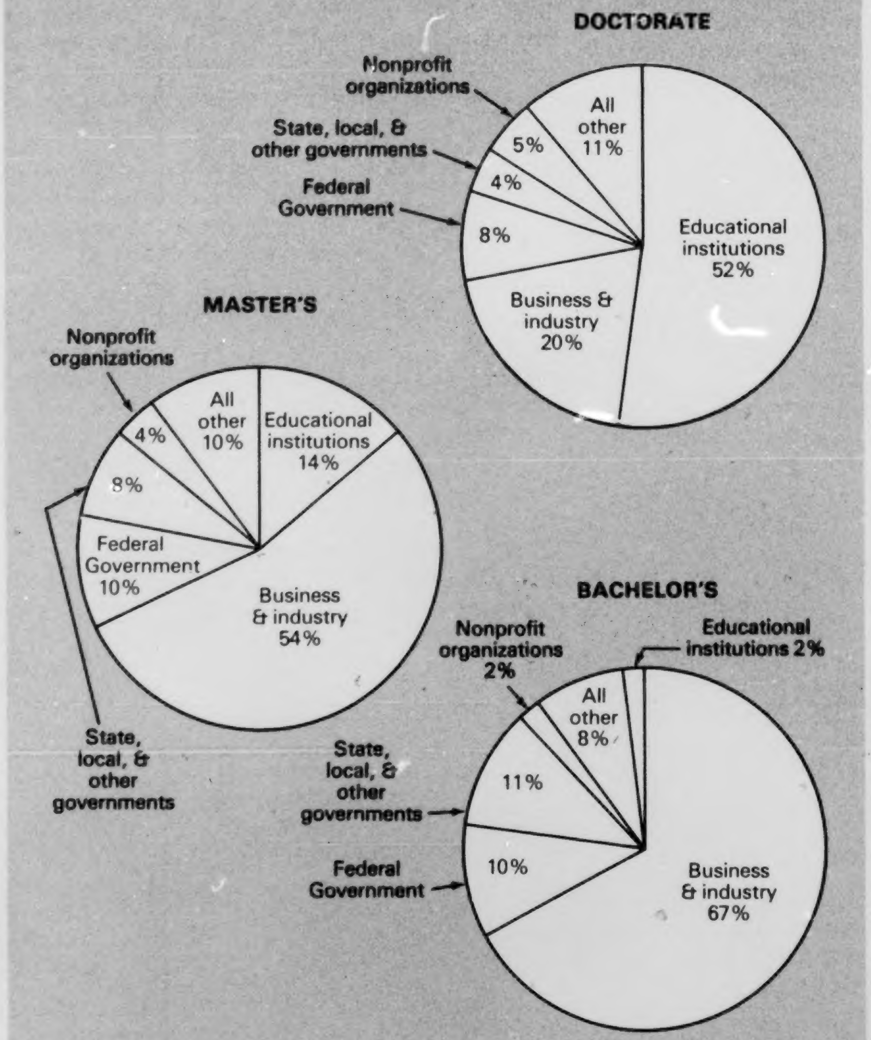
[2] National Science Foundation, *The 1972 Scientist and Engineer Population Redefined. Volume 2. Labor Force and Employment Characteristics* (NSF 75-327) (Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1976).

Scientists and engineers in the 1970 science/engineering labor force, by highest degree held and type of employer: 1974



SOURCE: National Science Foundation, National Sample, 1974.

BUSINESS AND INDUSTRY

The proportion of scientists and engineers in the National Sample working in the private sector (business, industry and self-employed) increased from 59 percent in 1972[3] to 64 percent in 1974. More than one-half of the nondoctoral chemists, computer specialists, engineers, and earth scientists were so employed. The proportion of S/E doctorates employed by business and industry, however, was comparatively low. Only in the cases of doctoral chemists, computer specialists, and engineers did the proportion exceed 20 percent.

For doctoral physicists, computer specialists, and economists, business and industry paid the highest median salaries. Master's degree-holders employed in business and industry reported a median salary higher than the overall median for master's, while bachelor's degree-holders reported median salaries lower than their overall median.

EDUCATIONAL INSTITUTIONS

The S/E proportion of the National Sample employed by educational institutions remained constant over the period 1972-74—13 percent. Although during this 2-year period, there has been considerable activity to attain affirmative action goals with respect to women, the proportion of women employed by educational institutions has remained constant for the National Sample population, also at 13 percent.

Educational institutions paid the highest median salaries for biological scientists, agricultural scientists, and sociologists/anthropologists. While over one-half of the S/E doctorates were employed by this type of employer, their median salary was the lowest except for those employed by State governments.

FEDERAL GOVERNMENT

During the period 1972 to 1974 there was a slight decrease (1.0 percent) in the proportion of the National Sample working for the Federal Government. The Federal scientists and engineers represent about 10 percent of the National Sample which is the same proportion as in the estimated 1974 total S/E population. More than one-fifth of the atmospheric scientists, oceanographers, statisticians, and agricultural scientists are employed by the Federal Government.

Scientists and engineers in the National Sample employed by the Federal Government reported the highest median annual salary, $21,700. This high median salary was not reflected by all fields as federally employed physicists/astronomers, mathematicians, earth scientists, biologists, agricultural scientists, and psychologists reported median annual salaries lower than their peers in other employment settings.

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[3] National Science Foundation, *Science Resources Studies Highlights* (NSF 75-309), *op. cit.*

Primary Work Activity

Instead of one parameter (business and industry) dominating a characteristic for scientists and engineers as in type of employer, two parameters (total research and development and total management or administration) account for almost three-fifths of the National Sample in 1974. Collectively, these two work activities accounted for almost the same proportion of the estimated total of scientists and engineers in 1974. In the National Sample, however, a higher proportion were in management or administration than in the total estimate due to the fact that the National Sample is a more mature group.

RESEARCH AND DEVELOPMENT

Chemists, physicists/astronomers, oceanographers, engineers, biological scientists, and medical scientists reported a high proportion in research and development. As in 1972[4] only among chemists, physicists/astronomers, and oceanographers did research and development account (separately) for over 40 percent of the National Sample.

Although research and development was generally one of the poorer paying work activities ($18,400) relative to other work activities, mathematicians, statisticians, computer specialists, atmospheric scientists, agricultural scientists, and psychologists so engaged reported a higher median annual salary than the median for their respective groups.

BASIC RESEARCH

Four percent of the National Sample was primarily engaged in basic research, contrasted with about 3 percent of the estimated national total of scientists and engineers. Of the 41,000 basic researchers, 45 percent were employed in educational institutions and almost 75 percent of those were S/E doctorates.

Basic research was among the poorest paying work activities ($18,900). Management or administration of research and development paid $5,800 more, management or administration of other activities $2,400 more, consulting $1,200, applied research $900, and teaching, $800.

Considerably larger proportions of chemists, physicists, oceanographers, biological scientists, and medical scientists were engaged in basic research activities when compared with other scientists and engineers. In all these fields except chemistry, a majority of these basic researchers worked in educational institutions. In none of these fields was the median annual salary for basic research greater than the median for the field as a whole.

Scientists and engineers in the 1970 science/engineering labor force, by major field and primary work activity: 1974

[Percent distribution]

Field	Total	R&D	Management or administration	Teaching	Production/ inspection	Consulting	Reporting, statistical work, and computer applications	Other activities	Not reported
Total, all fields	100.0	29.9	27.3	8.4	12.6	6.7	9.0	4.2	1.9
Physical scientists	100.0	44.1	22.6	13.2	10.4	2.4	2.4	2.5	2.3
Mathematical scientists	100.0	12.7	18.4	36.8	3.9	2.3	22.8	1.1	2.1
Computer specialists	100.0	5.9	12.6	3.2	2.6	6.4	66.4	2.1	0.8
Environmental scientists	100.0	26.5	23.4	12.4	7.5	10.2	7.7	9.9	2.4
Engineers	100.0	32.7	30.5	2.2	16.2	6.3	5.6	4.6	1.8
Life scientists	100.0	27.8	25.9	24.2	7.2	5.4	3.7	4.0	2.0
Psychologists	100.0	9.0	18.1	27.1	1.6	36.9	2.6	2.8	1.9
Social scientists	100.0	12.3	26.3	34.3	3.6	5.1	10.5	5.5	2.4

Source: National Science Foundation, National Sample, 1974

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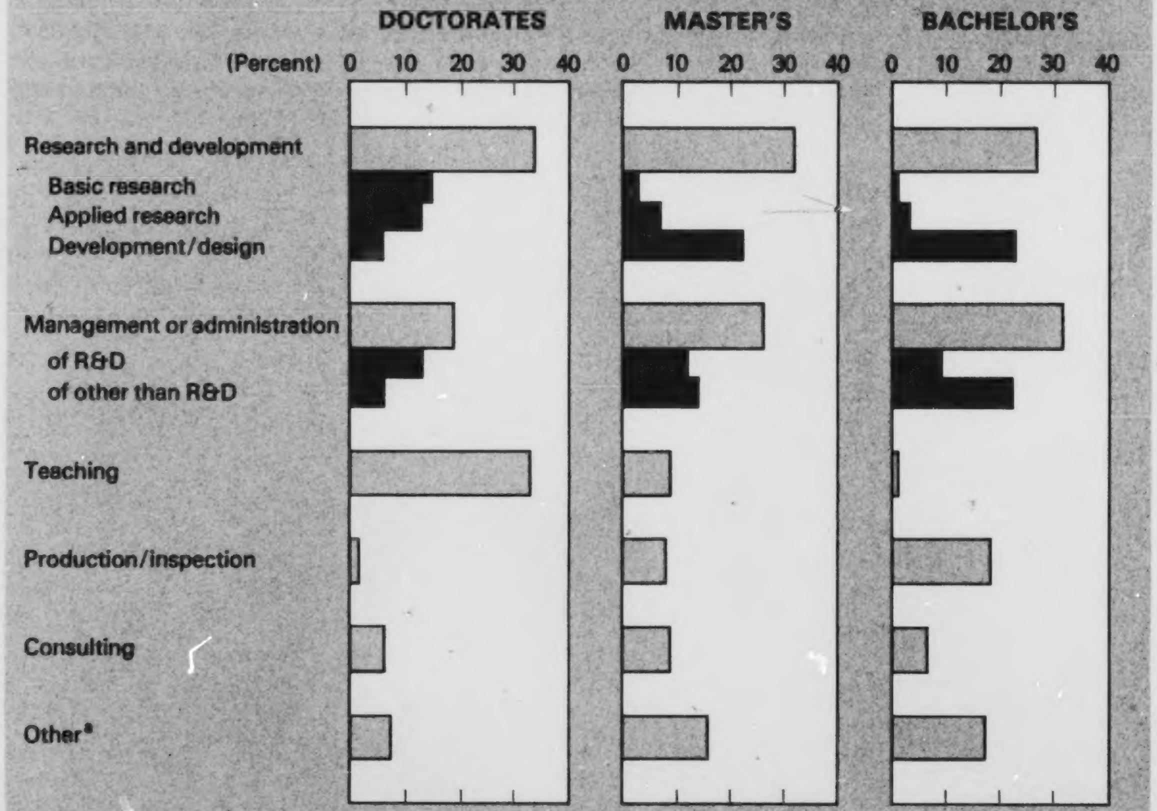
[4] National Science Foundation, *The 1972 Scientist and Engineer Population Redefined, Volume 2, Labor Force and Employment Characteristics* (NSF 75-327), op. cit.

APPLIED RESEARCH

The largest proportion of scientists and engineers performing applied research included oceanographers (29 percent), atmospheric scientists (20 percent), physicists/astronomers (16 percent), and chemists (14 percent). This repeats the pattern shown in the estimated national total in 1974. Applied research chemists were concentrated in business and industry while physicists/astronomers, atmospheric scientists, and oceanographers engaged in applied research were employed by the Federal Government.

Scientists and engineers in the 1970 science/engineering labor force, by highest degree held and primary work activity: 1974



[a]Includes reporting, statistical work, computer applications; other; and no report.
SOURCE: National Science Foundation, National Sample, 1974.

Applied research was primarily performed by those holding a graduate degree—41 percent held the doctorate, and 29 percent, a master's degree. This work activity showed a median salary of $19,800, second only to management or administration. Atmospheric scientists and economists were at the high end of the salary distribution for applied research with $22,800 and $22,700, respectively, and biological scientists were at the low end with a median salary of $17,700.

DEVELOPMENT AND DESIGN

About one-fifth of the National Sample and the estimated total of scientists and engineers in 1974 were engaged in development and design. High proportions of engineers (30 percent) and chemists (15 percent) were active in development and design. This work activity was performed primarily by bachelor's degree-holders with 65 percent of those so engaged holding a baccalaureate. Of those doing development and design work, 90 percent were engineers, 6 percent chemists, and the remainder distributed in other areas.

The median salary for those engaged in development and design was $18,100 which is well below the overall median of $19,300. This low median salary probably can be attributed to the fact that most engaged in this activity were bachelor degree-holders.

MANAGEMENT OR ADMINISTRATION

The National Sample, being a more mature group, reported a slightly higher proportion engaged in management or administration than did the estimated total S/E population in 1974—27 percent and 24 percent, respectively.

Almost two-fifths of the agricultural scientists and one-third of the engineers were engaged in management or administration, while only 15 percent of the sociologists/anthropologists and 13 percent of the computer specialists were so engaged. This distribution is partially the result of age, mobility, and type of employer.

Agricultural scientists and engineers as a group tend to be older, more stable (as illustrated by the number moving into other fields), and are employed primarily by business and industry and the Federal Government; computer specialists are a relatively young group and are highly mobile; sociologists/anthropologists are a mature group and tend to be concentrated in educational institutions which offer limited opportunities for management or administrative work.

There is an inverse relationship between management or administration and level of educational attainment. S/E doctorates reported 19 percent engaged in management or administration, master's, 26 percent, and bachelor's degree holders, 31 percent. This phenomenon suggests that S/E doctorates either do not choose to become managers or administrators or they remain in positions which do not offer an opportunity for assuming managerial responsibilities.

Business and industry employed 60 percent of the managers and administrators with the remainder distributed among other employers.

MANAGEMENT OR ADMINISTRATION OF RESEARCH AND DEVELOPMENT

Although the National Sample had a higher proportion of scientists and engineers in management or administration than did the estimate of the national total for 1974, the proportion in management or administration of research and development was about the same.

While chemists, physicists/astronomers, oceanographers, engineers, biological scientists, and medical scientists reported high proportions in research and development, only chemists, physicists/astronomers, and oceanographers reported high proportions in management or administration of research and development. These three groups also included high proportions of doctorate holders.

The median salary for managers or administrators of research and development was $24,700 which was the highest median for any work activity.

Managers or administrators of research and development account for a higher proportion of those employed by the Federal Government and nonprofit organizations than for other types of employers. Hence, the effect on median salaries for the Federal Government and nonprofit organizations was significant, making these employers number one and two with reference to median salaries.

TEACHING

Teaching was the primary work activity of 8 percent of the National Sample. The proportion contrasts with 13 percent who are employed in educational institutions. The difference is attributed to those who were primarily in research and development or management or administration at educational institutions. The estimated 1974 total also shows about 8 percent in teaching.

Teaching was the primary work activity of about one-third of the S/E doctorates in the National Sample but only 9 percent of the master's degree-holders and about 1 percent of the baccalaureates.

Sociologists/anthropologists, mathematicians, biological scientists, medical scientists, and economists all reported over 25 percent of their respective groups as being primarily engaged in teaching, while less than 5 percent of the computer specialists and engineers were so employed.

Although teaching showed a median salary ($19,200) close to the overall median of $19,300, it provided somewhat higher median salaries than the overall field median for chemists, computer specialists, engineers, biological scientists, agricultural scientists, and medical scientists. Slightly lower median salaries were reported by sociologists/anthropologists, $18,900; mathematicians, $18,800; and psychologists, $18,700; all of whom were engaged primarily in teaching.

PRODUCTION AND INSPECTION

Production and inspection occupied 13 percent of the National Sample which is the same proportion as shown in the estimated total for scientists and engineers. A preponderance in this work activity were engineers and were working in business and industry.

Production and inspection was most often performed by baccalaureate holders—85 percent of those so engaged—which would tend to account for the low median salary of $17,600.

CONSULTING

Consulting constitutes the largest single work activity for psychologists, involving 37 percent of the group. This work activity accounted for almost 7 percent of the National Sample and about the same proportion of the estimated S/E total for 1974.

The median salary reported by consultants ($19,600) was slightly higher than the overall median reported.

Work in Problem Areas of Critical National Interest

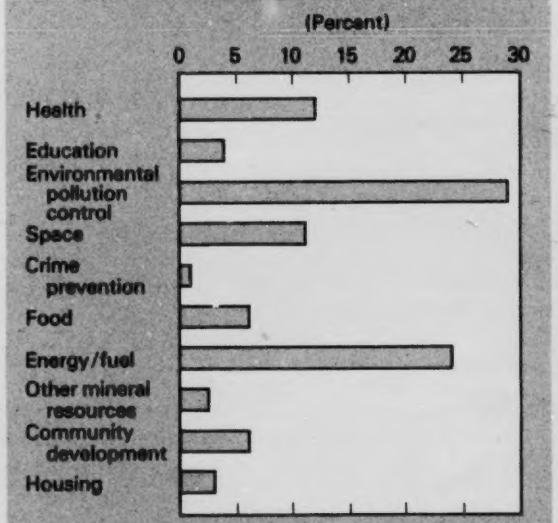
Respondents were asked to indicate if they devoted a significant portion of their professional time to a problem of critical national interest. Over 40 percent (463,000) of the scientists and engineers reported they were involved in one of the areas included in the list. Among the total respondents, 29 percent (135,000) worked in environment/pollution and another 24 percent (112,000) were working in energy/fuel.

Over 75 percent of those working in energy/fuel were engineers with the remainder being either environmental scientists or physical scientists. Of those environmental scientists who reported an area of critical national interest, almost 50 percent worked in energy/fuel.

In the area of environment/pollution, almost 70 percent were engineers, 12 percent were physical scientists, 12 percent were life scientists, and 3 percent were environmental scientists.

Other areas which had 50,000 or more scientists and engineers included health and space. The health area involved a high proportion of medical scientists, psychologists, statisticians, and biological scientists, while space was dominated by physicists/astronomers, computer specialists, and engineers.

Scientists and engineers in the 1970 science/engineering labor force working in areas of critical national interest: 1974



SOURCE: National Science Foundation: National Sample, 1974.

Federal Support

Federal funding continues to be a major factor in the support of scientists and engineers with over one-third receiving Federal funds for their work, down from the 1972 level of 41 percent.[5]

Department of Defense (DOD) funding was reported by over 45 percent of those receiving support. For physicists/astronomers, mathematicians, computer specialists, oceanographers, and engineers almost one-half were receiving some support from DOD.

Other agencies which supported a large number of scientists and engineers in 1974 were the National Aeronautics and Space Administration (NASA), the Department of Health, Education, and Welfare (HEW), the Department of Transportation (DOT), and the Atomic Energy Commission (AEC)[6]—in that order.

Ninety percent of those who received Federal support from DOT were engineers as were 62 percent of the recipients of funds from AEC. An additional 27 percent of those receiving support from AEC were physical scientists; other groups were represented by small percents.

NSF awards were distributed more evenly among the National Sample respondents—31 percent to physical scientists, 27 percent to engineers, 13 percent to life scientists, 11 percent to environmental scientists, and 8 percent to mathematical scientists.

Over 50 percent of the life scientists—more than any other major field—received Federal support. Of that group 42 percent received some funding by the Department of Agriculture and 30 percent by HEW.

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[5] National Science Foundation, *The 1972 Scientist and Engineer Population Redefined. Volume 2. Labor Force and Employment Characteristics* (NSF 75-327), *op. cit.*

[6] This reference to AEC reflects data pertaining to the agency prior to its reorganization into the Energy Research and Development Administration and the Nuclear Regulation Commission.

Women

The respondents to the National Sample represented 53,900 women scientists and engineers in 1974. These women constituted 5.0 percent of the total National Sample, down from 5.6 percent in 1972.[7] This results from the higher nonresponse of females and the greater movement out of scope by women. This proportion of women scientists and engineers is markedly different from the proportion of women in the estimated total S/E population for 1974 which showed a 9.4-percent participation rate for women. These data would indicate that the younger scientists and engineers, not included in the National Sample, involve a higher proportion of women than was the case in 1970 and prior years.

In 1972 the National Sample represented 78,600 women scientists and engineers out of the total 1,400,000 scientists and engineers. Over the period 1972 to 1974, 15 percent moved out of scope and 16 percent were nonrespondents, leaving 69 percent, or 53,900, for whom data are presented in this report. (This is in contrast to the situation for male scientists and engineers where 10 percent moved out of scope and 12 percent were nonrespondents, leaving 78 percent, or 1,025,500, for whom data are presented in this report.) Of this group of women, 44,600 were in the 1974 S/E labor force, including 1,200 unemployed and seeking employment.

Contrary to the phenomenon of the unemployment rate for both sexes combined declining from 1.9 percent to 1.1 percent for the period 1972-74, the unemployment rate for women remained relatively constant at the 2.8-percent level. During this 2-year period the increase in unemployment rates for women chemists, computer specialists, and psychologists was counterbalanced by decreases for women mathematicians, statisticians, engineers, biological scientists, economists, and sociologists/anthropologists.

Changes in the 1970 women's science/engineering labor force: 1972 and 1974

Women identified as scientists and engineers in the 1970 Decennial Census (1972)	78,600
Individuals not meeting criteria for inclusion in 1974	[1]-12,000
Nonrespondents in 1974	-12,700
	-24,700
1974 base of 1970 women scientists and engineers	53,900
Not in labor force 1974	[2]-9,300
1974 labor force of 1970 women scientists and engineers	44,600
Unemployed (and seeking) women in 1974	-1,200
1974 employed 1970 women scientists and engineers	43,400

[1] This figure represents those individuals who no longer met 2 of 3 criteria (major field of study for highest degree in science or engineering, occupation in science or engineering, professional identification as a scientist or engineer) - the condition needed to remain in the scope in 1974.

[2] Includes those who retired, went back to school, stayed home for family responsibilities, etc.

Source: National Science Foundation, National Sample, 1974

Unemployment rates of the 1970 women's science/engineering labor force by major field: 1972 and 1974

Field	1972	1974
Total	2.7	2.8
Physical scientists	4.0	6.5
Mathematical scientists	3.5	1.7
Computer specialists	.8	3.5
Environmental scientists	(1)	(1)
Engineers	3.0	2.5
Life scientists	3.0	1.2
Psychologists	.8	2.6
Social scientists	4.0	1.2

[1] Less than 0.05 percent.

Source: National Science Foundation, National Sample, 1974

Of the 44,600 women in the National Sample who were in the 1974 labor force, the largest proportion (20 percent) were psychologists followed by chemists (14 percent), computer specialists (13 percent), and biological scientists (11 percent). Less than 1 percent of the women were oceanographers, atmospheric scientists, or agricultural scientists.

1970 women's science/engineering labor force by major field: 1972 and 1974

[Percent distribution]

Field	1972	1974
Total	100.0	100.0
Physical scientists	17.7	17.1
Mathematical scientists	8.5	7.1
Computer specialists	14.6	13.0
Environmental scientists	1.4	1.8
Engineers	5.0	6.0
Life scientists	16.5	18.0
Psychologists	15.5	19.5
Social scientists	20.8	17.6

Source: National Science Foundation, National Sample, 1974

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[7] Unpublished data, National Science Foundation.

TYPE OF EMPLOYER

Employers of high proportions of women scientists and engineers in the National Sample included educational institutions, business and industry, and the Federal Government. Since these three employers utilize a high proportion of the total S/E population, one might conclude that the traditional type of employer for women (educational institutions) has been supplanted by a broader base of employers. A closer analysis, however, shows that almost 40 percent of the women were employed by educational institutions whereas only 12 percent of the men were so employed; 17 percent were in business and industry compared to 58 percent for men; and hospitals and clinics provided employment for 7 percent of the women and less than 1 percent of the men. In light of these facts one might conclude that women in the National Sample were still faced with a limited range of employment opportunities.

However, it should be noted that the relatively high percentage of men in industry is greatly affected by the distribution of engineers who are predominantly employed in industry. While a majority of men in the National Sample are engineers, only 6 percent of the women are engineers.

Collectively, government (Federal, State and local) employed the same proportion of women as men, 20 percent. This condition may reflect the impact of equal opportunity programs in the public sector.

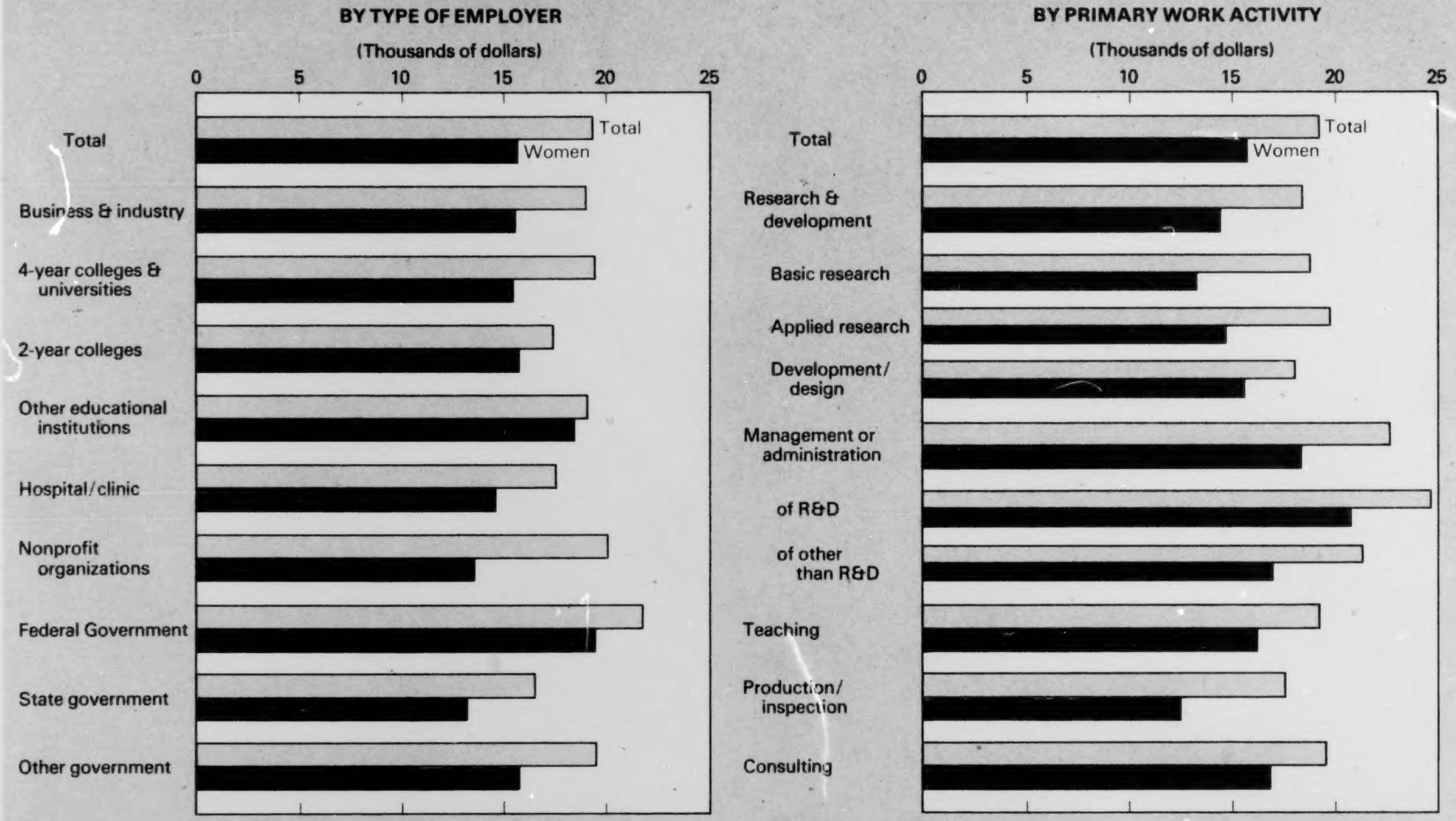
The median annual salaries of women were always less than those of the total National Sample for all employers. Nonprofit organizations showed the largest differential—$6,600.

PRIMARY WORK ACTIVITY

About 50 percent of the women scientists and engineers in the National Sample were engaged in three primary work activities: teaching, basic research, and consulting. These work activities differ from the three work activities involving over 50 percent of the men: development and design, management or administration of other than R&D activities, and production and inspection. Again, these distributions are to a large extent the result of the high percentage of men who are engineers.

In all work activities women reported a smaller median salary than did the total National Sample. The differential varied from a maximum of $5,600 for basic research, to a minimum amount of $2,500 for development and design.

Median annual salaries in the 1970 total and women's science/engineering labor force: 1974



BY TYPE OF EMPLOYER

BY PRIMARY WORK ACTIVITY

SOURCE: National Science Foundation, National Sample 1974.

APPENDIXES

A. Technical Notes
B. Detailed Statistical Tables
C. A Listing of Detailed Statistical Tables
   In Parts 1 and 3.
D. Reproduction of 1974 Questionnaire
   and Reference Lists

APPENDIX A

Technical Notes

The 1974 National Sample

The 1974 National Survey of Scientists and Engineers was the first in a series of planned longitudinal surveys based on the National Sample. A previous survey, the 1972 Professional, Technical, and Scientific Manpower Survey was conducted among a nationwide sample of approximately 150,000 persons who were recorded in the 1970 Census of Population as being in the experienced civilian labor force in one of 65 engineering, scientific, or related occupations. Also, the survey included a small sample of persons who had completed four or more years of college but were not in any of the specified occupations. Based on responses in the 1972 survey and on criteria established by the National Science Foundation, approximately 51,000 persons from the 1972 survey sample (excluding the small sample of college graduates) were chosen as the National Sample for the 1974 National Survey of Scientists and Engineers.[1] Survey questionnaires were mailed to this abbreviated sample in February 1974. Data collection activities continued to August 1974. Completed questionnaires were obtained for 87.7 percent of the sample—approximately 44,000 persons. The 12.3 percent from whom completed questionnaires were not received include persons who either refused to participate, were deceased, or were persons who returned questionnaires with insufficient information to permit processing. In addition, 10.1 percent of the group moved out of science and engineering fields in 1974 leaving a sample of 40,000 persons in science and engineering in 1974.

Therefore, of the original 1,400,000 scientists and engineers whom the sample represented in 1972, 12.3 percent (172,000) did not respond, and 10.1 percent (148,000) represented those who did not meet the criteria for inclusion as scientists and engineers in 1972. As a result, 1,080,000 scientists and engineers remained in 1974 and it is this group with which this report is concerned.

For each sample case for which a completed questionnaire was obtained, the information from the 1974 survey was matched with 1972 survey data and 1970 census data for the same person. Weights applied to sample cases in the 1972 survey were then used to weight the resultant matched data file up to universe totals. The use of the 1972 survey weights means that no adjustment for nonresponse was made to 1974 survey results.

Respondents[2] to the 1974 National Survey of Scientists and Engineers were classified, again based on criteria of the National Science Foundation, into one of the fields of science and engineering, or the category "not in a field of science and engineering in 1974."

The Questionnaire

Each panel member in the 1974 National Survey of Scientists and Engineers was asked to complete by self-enumeration a 4-page questionnaire (reproduced in appendix D). A cover letter was printed on page 1 of the questionnaire, and a set of reference lists (also reproduced in appendix D) was attached to the questionnaire. The reference lists were used by respondents to self-code answers to inquiries on major field of study (question 2, part b5 of the questionnaire), kind of business (question 11), occupation (question 12), and professional identification (question 20).

Definitions and Explanations

Fields of science and engineering—Science or engineering fields are categories established to identify persons who could be classified as engineers or scientists under most definitions. In general, to be classified into one of the fields, a person had to have at least two of the following three characteristics:

(1) Employment in the field; (2) attainment of a specified educational level in an academic discipline related to the field; or (3) self-identification, based upon total education and experience, as being in the field. More detailed information on the criteria for membership in a scientific and technical field is given farther on in the section, "Criteria for Fields of Science or Engineering in 1974."

The fields of science and engineering for which data are presented in this report and the detailed fields they comprise are as follows:

Physical scientists
  Chemists
  Physicists and astronomers
  Other physical scientists

Mathematical scientists
  Mathematicians
  Statisticians

Computer specialists

Environmental scientists
  Earth scientists
  Atmospheric scientists
  Oceanographers

Engineers

Life scientists
  Agricultural scientists
  Biological scientists
  Medical scientists

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[1] For a description of the selection process, see "Sample Selection Process for the 1974 Survey," p. 20.

[2] The words "respondent" or "nonrespondent," when applied to members of the universe, refer to the number in the universe represented by sample persons who responded or did not respond, respectively, to the 1974 survey.

Psychologists

Social scientists
- Economists
- Sociologists and anthropologists
- Other social scientists

Race—The data on race are based on responses in the 1970 Census of Population. The "other races" category includes all races not included in the specific categories listed.

Age in 1974—The reference period for age in 1974 was April 1974. The median age is that age that divides the distribution into two equal parts, one-half being older than the median age and one-half younger. Median ages were derived from an estimation process that distributed the subject populations into 5-year age groups.

Highest degree held—Highest degree held in 1974 refers to the highest academic degree awarded or assumed to have been awarded to the respondent in 1973 or earlier. Data on the highest degree held were derived as follows. First, question 2 of the 1974 questionnaire was reviewed to determine the highest degree worked for by the respondent *since 1971*. This degree was accepted as the highest degree received since 1971 if the respondent reported that it had been awarded in 1972 or 1973, or if he failed to indicate when it had been awarded, but did report the completion of at least a certain number of years of postsecondary education in question 1. The required years for each degree are specified in the following tabulation.

Degree	*Minimum years of postsecondary education*
No degree	0
Other	0
A.A.	2
R.N.	3
B.A.	4
M.A.	5
LL.B.	7
M.D.	8
Ph.D.	7

Second, the highest degree received since 1971 was designated as the highest degree held by the respondent *in 1974* if it was at the same or at a higher academic level than the highest degree reported in the 1972 survey. Otherwise, the highest degree reported in 1972 was designated as the highest degree held in 1974.

The "other degree" classification includes persons whose highest academic degree was one of the following: R.N., L.L.B., M.D., and academic degrees other than those shown.

Except for engineers, the criteria for inclusion in a scientific or engineering field required that a person possess an academic degree at the bachelor's level or higher. Therefore, only engineers and persons "not in a field of science or engineering" can have an "associate degree" or "no degree."

Major field of study for highest degree held—The data on major field of study refer to the major subject associated with the highest degree held in 1974 as determined by the method described above. For persons whose highest degree held in 1974 was received after 1971, the data are derived from question 2, part b5 of the 1974 questionnaire. For persons whose highest degree was awarded in 1971 or earlier, the data on major subject are based on the 1972 survey.

Employment status. Employed persons are those who reported working, either full time or part time, during the reference week (January 20-26, 1974); those who had a job but were not working because of vacation, temporary illness, or personal reasons; and persons on a postdoctoral appointment. If a person did not report whether he was working, but the dates of his most recent job included January 1974 (or 1973), he was also considered as employed. The unemployed are persons who were not working but were looking for work or on temporary layoff from a job. All other persons were classified as not in the labor force or employment status not reported.

Type of employer. The data on type of employer in 1974 are based on responses to question 11, industry or kind of business, and question 15, class of worker. If a respondent reported the industry, "educational institution" or "military" in question 11, he was classified in this category regardless of his class of worker. Otherwise, the person was classified according to the response in the class of worker item. The category "other government" includes "State government," "local government," and "employee of international organization"; "self-employed" includes "own business-not incorporated" and "working without pay. . ."; and "industry or business" includes "employee of private company. . ." and "own business-incorporated."

Basic annual salary rate. The statistics on salary refer to the basic annual salary associated with the job held in January 1974. The figures relate to salary before deductions for income tax, social security, retirement, etc., but do not include bonuses, overtime pay, or earnings from secondary jobs. For employees of educational institutions whose salary was for 9 or 10 months, the salary rate was adjusted to a 12-month basis. Median salaries were derived by an estimation process that distributed the subject populations into $1,000 intervals.

Source of Data Items

Characteristic	Item number on 1974 questionnaire[1]	Source code[2] on 1974 questionnaire
Sex	(From the 1972 survey response, if available; otherwise from the 1970 Census response)	
Age in 1974	(From 1970 Census response, if available; otherwise from 1972 survey response)	
Field of science or engineering in 1972	(From the 1972 survey response)	
Race[3]	(From the 1970 Census response)	
Highest degree held[3]	1; 2 (parts a, b2, b3, and b4); otherwise from 1972 survey response	012,013,017-025
Major field of study for highest degree held[3]	2 (part b5), otherwise from 1972 survey response	026,027,028
Nonformal training in 1972	3	029
Nonformal training in 1973	3	030
Professional identification	Part IV: 20	082
Employment status: January 1974[3]	Part II, column A; and Part III, column A: 16	031, 033, 035, 039, 041, 058, 059
Employment status: January 1973[3]	Part II, column B; and Part III, column B: 16	032, 034, 036, 040, 042, 060, 061
Employment in science or engineering: January 1974	Part II, column A: 6, 7	035, 037
Employment in science or engineering: January 1973	Part II, column B: 6, 7	036, 038
Unemployment in 1973[3]	Part IV, 19a, 19b	080, 081
Occupation in 1974	Part III, column A: 12	050
Industry in 1974	Part III, column A: 11	048
Primary work activity in 1974	Part III, column A: 13, 14	052
Type of employer: 1974[3]	Part III, column A: 11, 15	048, 056
Basic annual salary: 1974[3]	Part III, column A: 17	062, 064, 066
Federal support: 1974	Part III, column A: 18a, 18b	068, 070, 072, 074, 076, 078
National interest topics	21	083

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[1] The 1974 National Survey of Scientists and Engineers questionnaire is reprinted in appendix D.

[2] Source codes refer to sections of the 1974 questionnaire denoted by a three-digit number inside a circle: e.g., State (if USA) = (010).

[3] See appropriate subject under "Definitions and Explanations."

Criteria for Fields of Science or Engineering in 1974

(Developed by the National Science Foundation)

Respondents in the 1974 National Survey of Scientists and Engineers were classified into a specific field of science and engineering in 1974 if they met, in relation to the specific field, any one of the criteria given below. Classification by these criteria proceeded such that all respondents were initially examined by the first criterion; those not placed into a field by the first criterion, were then examined by the second; those not categorized by the second, were examined by the third; and so on, until only those remained who met none of the criteria—these were classified as "not in a field of science or engineering in 1974." The academic degree levels and major fields of study used in these criteria refer to the highest degree held. The coincident and related fields of study and the coincident and related occupations and professions are shown in table A-1. Occupation refers to the most recent job for which occupation was reported.

THE CRITERIA

A member of a field of science or engineering in 1974 is an individual (1) who had earned a master's degree or higher[3] in a coincident field of study and who regarded himself, based on his to education and experience, as having a coincident profession; or (2) who had earned a Ph.D. in any field of social or natural science,[4] and was employed in a coincident occupation; or (3) who had earned a bachelor's degree or higher in a coincident field of study, and was employed in a coincident occupation; or (4) who had earned a bachelor's degree or higher in any field of study, was employed in a coincident occupation, and regarded himself as having a coincident profession; or (5) whose highest degree[5] was in a coincident field of study[6], and who was employed as a college president, college dean, or manager or administrator of research or development, production or operations[7] or (6) who had earned a bachelor's degree or higher in a coincident field of study,[8] was employed in a related occupation, and regarded himself as having a coincident profession; or (7) who had earned a bachelor's degree in a coincident field of study since 1969 and who regarded himself as having a coincident profession; or (8)

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[3] Engineers could meet this requirement with a bachelor's degree or higher.

[4] Codes 501-587 and 593 from list A of appendix D.

[5] At the bachelor's level or higher.

[6] Certain coincident fields of study are common to two fields of science or engineering. Therefore, persons meeting criterion 5 with field of study represented by codes 508 or 526 of list A of appendix were classified exclusively as "biological scientists"; those with codes 565 or 568, were classified exclusively as "other physical scientists"; and those with code 581, were classified exclusively as "economists".

[7] Codes 457-459 of list C of appendix D.

[8] In addition to a coincident field of study, engineers could have earned a bachelor's degree or higher in codes 508, 529, 557, 559-561, 563-568 of list A of appendix D.

Table A-1.—Coincident and related major fields of study, occupations, and professions, by field of science or engineering in 1974

[Codes are from reference lists A and C of appendix D]

Field of science or engineering in 1974	Major field of study		Occupation and profession	
	Coincident	Related	Coincident	Related
Computer specialists	559	501-526,532-558,560-568	415-417	401-413,415-417,419-438
Engineers	532-550	508,529,557,559-561 563-568,	401-413	457-459
Mathematical scientists:				
Mathematicians	557	532-550.558-568,576	419	401-413,415-417,419-438
Statisticians	558	518,532,535-545,548 550,557,559-572,575, 576,586,587	420	401-413,415-417,419-438
Life scientists:				
Agricultural scientists	501-503,506,512, 514-517,519,523, 524,526,	504,505,507-511,513, 518,520-522,525,532-568	428	401-413,415-417,419-433, 438
Biological scientists	504,505,507-511, 513,518,520-522, 525,526,554	501-503,506,512,514-517,519,523,524,532-553,555-568	429,431,433	401-413,415-417,419-433, 438
Medical scientists	555,556	501,526,532-550, 557-573	432	401-413,415-417,419-438
Physical scientists:				
Chemists	508,561	501-507,509-526,532-560,562-568	422,430	401-413,415-417,419-433, 438
Physicists and astronomers	560,564	508,509,535-541,543-546,550,557-559,561-563,565-568	424	401-413,415-417,419-433, 438
Other physical scientists	565,568	501-526,532-564,566,567	427	401-413,415-417,419-433, 438
Environmental scientists:				
Earth scientists	565,566,568	501-526,532-564,567	423	401-413,415-417,419-433, 438
Atmospheric scientists	563	501-526,532-562,564-568	425	401-413,415-417,419-433, 438
Oceanographers	567	501-526,532-566,568	426	401-413,415-417,419-433, 438
Psychologists	569-572	509,551,552,556-558,573,586	435	401-413,415-417,419-438
Social scientists:				
Economists	575-576,581	501,557-559,574, 557-580,582,583,589,595	434	434-437
Sociologists and anthropologists	573,586	569,572,574,577, 579,587,593	436	401-413,415-417,419-438
Other social scientists	574,577,581-584, 587,593	None	437	434-437

Source: Bureau of the Census

who had earned a bachelor's degree or higher in any field of science[9] and was employed as a college president, college dean, or administrator or manager of research or development, production or operations[10] and who regarded himself as having a coincident profession; or (9) whose highest degree[11] was in a related field of study and who was employed in a coincident occupation and who regarded himself professionally to be a college president, dean, or administrator or manager of research or development, production or operations.[12] The field "engineers" also includes any individual who failed to meet any of the above 9 criteria but who had completed a minimum of two years of a program of study leading to a bachelor's degree in engineering or a related field of study before 1968, and was employed as an engineer, and regarded himself professionally to be an engineer or a manager or administrator of research or development, production or operations; or who earned an associate degree before 1968, and was employed as an engineer, and regarded himself professionally to be an engineer or a manager or administrator of research or development, production, or operations.[13]

Some respondents to the 1974 survey reported "operations research analyst"[14] as their occupation or profession. The National Science Foundation determined that certain of the above criteria should classify these persons as either "mathematicians" or "engineers." Such an individual, therefore, is classified by criteria 3 or 7 as a "mathematician" if he, depending upon the criterion specified, was either employed as or regarded himself professionally as an "operations research analyst" and met the educational requirement of the specified criterion as it related to mathematicians. Likewise, the individual was classified by criteria 3, 4, or 7 as an "engineer" if, depending on the criterion specified, his occupation and/or profession was "operations research analyst" instead of "engineer," and he met all the other requirements of the specified criterion as these related to engineers. In addition, an individual is classified as an engineer if he met none of the above criteria, but had earned a bachelor's degree in a field of study other than one coincident to a field of science or engineering, was employed as a college president, dean, manager or administrator of research or development, production or operations,[15] and regarded himself professionally as an "operations research analyst."

Weighting and Estimating Procedures

Estimation procedures—As mentioned earlier, the estimates for this report were prepared by a ratio estimation procedure, using the weights derived for the 1972 survey. Therefore, no adjustment was made for nonresponse in the 1974 survey. The weighting procedure for the 1972 survey involved first, the preparation of preliminary estimates by weighting the results for each sample person by the reciprocal of the probability of selection. As a second step, these weights were adjusted by applying a factor for each age, sex, and race cell within each of the sample's occupational categories from the 1970 census. Within each of the cells, the factor was computed as the ratio of the 1970 census count to the preliminary estimate. The final weight was the factor multiplied by the original weight of each person. To the extent the correlation between the data being tabulated and the estimated count of persons in the cells are positively correlated, the ratio estimation procedure will improve the reliability of the estimate.

Reliability of the estimates—The sample used for this survey is only one of a large number of possible samples that could have been selected using the same sample design, sample selection, and measurement procedures. Estimates derived from these samples would differ from each other. In addition, the estimates are subject to errors of response and of reporting, as occur in all survey work. The standard error of a survey estimate is primarily a measure of the variation among the estimates from all possible samples and is, therefore, a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. As calculated for this report, the standard error also partially measures the effect of certain nonsampling errors but does *not* measure any systematic biases in the data. The estimate and its associated standard error may be used to construct a confidence interval, that is, an interval having a prescribed probability that would include the average result of all possible samples. The chances are about two out of three (about 68 percent) that the survey estimate will differ from the average result of all possible samples by less than one standard error (plus or minus). Similarly, the chances are about 19 out of 20 that the difference would be less than twice the standard error and 99 out or 100 that it would be less than 2-½ times the standard error.

A number of approximations and generalizations have been used to produce standard errors, and hence the standard errors presented in the following tables should be regarded as approximations rather than precise measurements of the standard error in question.

There are two standard error tables shown for each group: A table for estimating standard errors of absolute numbers (total number of persons in a group, having a certain characteristic) and a table to obtain the standard errors of percentages.

The standard errors for estimating numbers or percents not shown in either set of tables may be approximated by linear interpolation. For example, of the 55,160 persons in the computer specialist field in 1974, 26.9 percent have the master's degree as the highest degree held in 1974. The standard error of this percent as computed from table A-3b is 1.1 percent. Based on these data, we may conclude that the expected proportion of computer specialists with the master's degree as the highest degree held in 1974 lies within the interval 24.7 percent to 29.1 percent with 95-percent confidence.

The figures in these tables are not directly applicable to standard errors of differences between two sample estimates. The standard error of the estimated difference between two figures may be approximated by the square root of the sum of the squares of the standard error of each estimate. This approximation will yield an exact result when the two characteristics are uncorrelated. If the two characteristics are positively correlated, the approximation will overestimate the standard error of the difference. For a difference between two sample estimates, one of which represents a subclass of the other, the table can be used with the difference considered as the sample estimate.

For example, of the 55,160 computer specialists in 1974, 4.7 percent have the Ph.D. as the highest degree held in 1974. The standard error of this percent as computed from table A-3b is 0.5 percent. The standard error of the difference between the above percentages (i.e., 26.9 - 4.7 = 22.2 percent) is then approximately

$(1.1)^2 + (0.5)^2 = 1.2$ percent

Based on these data, we may conclude with 95 percent confidence that the average estimate of the difference of the percentages derived from all possible samples lies within the interval 19.8 percent to 24.6 percent.

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[9] For all fields except economists, codes 501-587 and 593 of list A of appendix D for economists, codes 557, 558, 573-587, and 593 of list A of appendix D.

[10] Codes 457-459 of list C of appendix D.

[11] At the bachelor's level or higher.

[12] Codes 457-459 of list C of appendix D.

[13] Codes 458 and 459 of list C of appendix D.

[14] Code 421 of list C of appendix D.

[15] Codes 457-459 of list C of appendix D.

STANDARD ERRORS OF TOTALS AND PERCENTAGES FOR:

All Scientific and Technical Fields

Table A-2a.—Standard errors of totals

Size of estimate	Estimated standard error
1,000	190
5,000	430
10,000	610
20,000	850
50,000	1,320
100,000	1,830
150,000	2,180
300,000	2,810
500,000	3,120
800,000	2,770
1,080,000	2,650

Table A-2b.—Standard errors of percentages

Base of	Estimated percent						
percent	1 or 99	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
1,000	1.9	2.6	4.1	5.7	7.6	8.3	9.6
5,000	1.3	1.2	1.8	2.5	3.4	3.7	4.2
10,000	.8	.8	1.3	1.8	2.4	2.6	3.0
20,000	.6	.6	.9	1.2	1.7	1.8	2.1
50,000	.4	.3	.5	.8	1.0	1.1	1.3
100,000	.19	.26	.4	.5	.7	.8	.9
150,000	.15	.21	.3	.4	.6	.6	.7
300,000	.11	.15	.2	.3	.4	.4	.5
500,000	.08	.12	.18	.25	.3	.3	.4
800,000	.06	.09	.14	.20	.27	.29	.3
1,080,000	.05	.08	.12	.17	.23	.25	.2

Computer specialists, psychologists, physical scientists, and medical scientists

Table A-3a.—Standard errors of totals

Size of estimate	Estimated standard error
50	40
200	90
500	140
1,000	200
3,000	340
5,000	430
10,000	590
15,000	690
25,000	810
40,000	840
60,000	600
75,000	340
100,000	210
121,000	170

Table A-3b.—Standard errors of percentages

Base of	Estimated percent					
percent	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
50	12.7	19.8	27.3	36.4	39.4	45.5
200	6.3	9.9	13.6	18.2	19.7	22.7
500	4.0	6.2	8.6	11.5	12.4	14.3
1,000	2.8	4.4	6.1	8.1	8.8	10.1
3,000	1.6	2.5	3.5	4.7	5.0	5.8
5,000	1.2	1.9	2.7	3.6	3.9	4.5
10,000	.9	1.4	1.9	2.5	2.7	3.2
15,000	.7	1.1	1.5	2.1	2.2	2.6
25,000	.5	.8	1.2	1.6	1.7	2.0
40,000	.4	.7	.9	1.2	1.3	1.6
60,000	.3	.5	.7	1.0	1.1	1.3
75,000	.3	.5	.7	.9	1.0	1.1
100,000	.2	.4	.6	.8	.8	1.0
121,000	.2	.4	.5	.7	.8	.9

Chemists

Table A-4a.—Standard errors of totals

Size of estimate	Estimated standard error
50	40
200	80
500	130
1,000	190
3,000	320
5,000	420
10,000	570
15,000	680
25,000	810
40,000	900
60,000	840
87,300	600

Table A-4b.—Standard errors of percentages

Base of	Estimated percent					
percent	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
50	12.1	18.8	25.9	34.6	37.4	43.2
200	6.0	9.4	12.9	17.3	18.7	21.6
500	3.8	5.9	8.2	10.9	11.8	13.6
1,000	2.7	4.2	5.8	7.7	8.3	9.6
3,000	1.5	2.4	3.3	4.4	4.8	5.5
5,000	1.2	1.8	2.5	3.4	3.7	4.3
10,000	.8	1.3	1.8	2.4	2.6	3.0
15,000	.6	1.0	1.4	1.9	2.1	2.4
25,000	.5	.8	1.1	1.5	1.6	1.9
40,000	.4	.6	.9	1.2	1.3	1.5
60,000	.3	.5	.7	.9	1.0	1.2
87,300	.2	.4	.6	.8	.8	1.0

Physicists and astronomers

Table A-5a.—Standard errors of totals

Size of estimate	Estimated standard error
50	40
200	80
500	130
1,000	190
1,500	210
2,500	290
5,000	390
10,000	490
15,000	500
20,000	450
27,500	370

Table A-5b.—Standard errors of percentages

Base of percent	Estimated percent					
	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
50	12.1	18.9	26.0	34.7	37.6	43.4
200	6.0	9.4	13.0	17.3	18.8	21.7
500	3.8	5.9	8.2	10.9	11.8	13.7
1,000	2.7	4.2	5.8	7.7	8.4	9.7
1,500	2.2	3.4	4.7	6.3	6.8	7.9
2,500	1.7	2.6	3.6	4.9	5.3	6.1
5,000	1.2	1.8	2.6	3.4	3.7	4.3
10,000	.8	1.3	1.8	2.4	2.6	3.0
15,000	.7	1.0	1.5	2.0	2.1	2.5
20,000	.6	.9	1.3	1.7	1.8	2.1
27,500	.5	.8	1.1	1.4	1.6	1.8

Mathematical scientists, mathematicians, and statisticians

Table A-6a.—Standard errors of totals

Size of estimate	Estimated standard error
50	30
200	70
500	110
1,000	160
3,000	270
5,000	340
10,000	440
15,000	500
25,000	500
40,000	370

Table A-6b.—Standard errors of percentages

Base of percent	Estimated percent					
	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
50	10.2	15.9	21.9	29.2	31.6	36.5
200	5.1	7.9	10.9	14.6	15.8	18.2
500	3.2	5.0	6.9	9.2	10.0	11.5
1,000	2.2	3.5	4.9	6.5	7.0	8.1
3,000	1.3	2.0	2.8	3.7	4.0	4.7
5,000	1.0	1.5	2.1	2.9	3.1	3.6
10,000	.7	1.1	1.5	2.0	2.2	2.5
15,000	.5	.9	1.2	1.6	1.8	2.1
25,000	.4	.7	.9	1.3	1.4	1.6
40,000	.3	.5	.7	1.0	1.1	1.2

Environmental scientists, earth scientists, and biological scientists

Table A-7a.—Standard errors of totals

Size of estimate	Estimated standard error
50	40
200	80
500	130
1,000	190
1,500	230
2,500	300
5,000	400
10,000	520
15,000	580
20,000	590
30,000	440
36,000	360

Table A-7b.—Standard errors of percentages

Base of percent	Estimated percent					
	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
50	12.3	19.1	26.4	35.2	38.1	44.0
200	6.1	9.5	13.2	17.6	19.0	22.0
500	3.8	6.0	8.3	11.1	12.0	13.9
1,000	2.7	4.2	5.9	7.8	8.5	9.8
1,500	2.2	3.5	4.8	6.4	[illegible]	8.0
2,500	1.7	2.7	3.7	4.9	5.3	6.2
5,000	1.2	1.9	2.6	3.5	3.8	4.4
10,000	.8	1.3	1.8	2.4	2.6	3.1
15,000	.7	1.1	1.5	2.0	2.2	2.5
20,000	.6	.9	1.3	1.7	1.9	2.2
30,000	.5	.7	1.0	1.4	1.5	1.7
36,000	.4	.7	.9	1.3	1.4	1.6

Oceanographers and other physical scientists

Table A-8a.—Standard errors of totals

Size of estimate	Estimated standard error
50	30
200	60
500	90
1,000	120
1,500	140
2,500	150
3,000	160
4,000	150
5,000	120
6,150	110

Table A-8b.—Standard errors of percentages

Base of	Estimated percent					
percent	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
50	8.1	12.6	17.4	23.2	25.2	29.1
200	4.0	6.3	8.7	11.6	12.6	14.5
500	2.5	4.0	5.5	7.3	7.9	9.2
1,000	1.8	2.8	3.9	5.2	5.6	6.5
1,500	1.4	2.3	3.1	4.2	4.6	5.3
2,500	1.1	1.7	2.4	3.2	3.5	4.1
3,000	1.0	1.6	2.2	3.0	3.2	3.7
4,000	.9	1.4	1.9	2.6	2.8	3.2
5,000	.8	1.2	1.7	2.3	2.5	2.9
6,150	.7	1.1	1.5	2.1	2.2	2.6

Atmospheric scientists

Table A-9a.—Standard errors of totals

Size of estimate	Estimated standard error
50	30
200	80
500	115
1,000	150
1,500	160
2,000	150
2,500	140
3,000	100
3,350	80

Table A-9b.—Standard errors of percentages

Base of	Estimated percent					
percent	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
50	11.0	17.2	23.7	31.6	34.2	39.5
200	5.5	8.6	11.8	15.8	17.1	19.7
500	3.5	5.4	7.5	10.0	10.8	12.5
1,000	2.4	3.8	5.3	7.0	7.6	8.8
1,500	2.0	3.1	4.3	5.7	6.2	7.2
2,000	1.7	2.7	3.7	5.0	5.4	6.2
2,500	1.5	2.4	3.3	4.4	4.8	5.5
3,000	1.4	2.2	3.0	4.0	4.4	5.1
3,350	1.3	2.1	2.8	3.8	4.1	4.8

Engineers

Table A-10a.—Standard errors of totals

Size of estimate	Estimated standard error
500	140
1,000	200
5,000	450
10,000	630
20,000	890
40,000	1,240
75,000	1,650
150,000	2,180
200,000	2,710
300,000	2,630
400,000	2,620
500,000	2,390
690,000	2,100

Table A-10b.—Standard errors of percentages

Base of	Estimated percent					
percent	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
500	4.0	6.2	8.5	11.4	12.3	14.2
1,000	2.8	4.4	6.0	8.0	8.7	10.1
5,000	1.2	1.9	2.7	3.6	3.9	4.5
10,000	.8	1.3	1.9	2.5	2.7	3.1
20,000	.6	.9	1.3	1.8	1.9	2.2
40,000	.4	.6	.9	1.2	1.3	1.5
75,000	.3	.5	.7	.9	1.0	1.1
150,000	.2	.3	.4	.6	.7	.8
200,000	.2	.3	.4	.5	.6	.7
300,000	.1	.2	.3	.4	.5	.5
400,000	.1	.2	.3	.4	.4	.5
500,000	.1	.1	.2	.3	.3	.4
690,000	.1	.1	.2	.3	.3	.3

Life scientists and agricultural scientists

Table A-11a.—Standard errors of totals

Size of estimate	Estimated standard error
50	40
200	90
500	140
1,000	210
3,000	350
5,000	450
10,000	621
15,000	605
25,000	863
40,000	915
60,000	739
75,500	640

Table A-11b.—Standard errors of percentages

Base of percent	Estimated percent					
	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
50	13.2	20.5	28.3	37.7	40.8	47.2
200	6.6	10.2	14.1	16.8	20.4	23.6
500	4.1	6.5	8.9	9.1	12.9	14.9
1,000	2.9	4.6	6.3	8.4	9.1	10.5
3,000	1.7	2.6	3.6	4.8	5.2	6.0
5,000	1.3	2.0	2.8	3.7	4.0	4.7
10,000	.9	1.4	2.0	2.6	2.8	3.3
15,000	.7	1.1	1.6	2.1	2.3	2.7
25,000	.5	.9	1.2	1.6	1.8	2.1
40,000	.4	.7	1.0	1.3	1.8	1.6
60,000	.3	.5	.8	1.0	1.1	1.3
75,500	.3	.5	.7	.9	1.0	1.2

Social scientists, sociologists, anthropologists, and other social scientists

Table A-12a.—Standard errors of totals

Size of estimate	Estimated standard error
50	30
200	100
500	160
1,000	230
3,000	410
5,000	510
10,000	700
15,000	830
25,000	990
40,000	1,080
60,000	970
82,800	710

Table A-12b.—Standard errors of percentages

Base of percent	Estimated percent					
	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
50	14.9	23.1	31.9	42.5	46.0	53.2
200	7.4	11.5	15.9	21.2	23.0	26.6
500	4.7	7.3	10.0	13.4	14.5	16.8
1,000	3.3	5.1	7.1	9.5	10.3	11.9
3,000	1.9	2.9	4.1	5.4	5.9	6.8
5,000	1.4	2.3	3.1	4.2	4.6	5.3
10,000	1.0	1.6	2.2	3.0	3.2	3.7
15,000	.8	1.3	1.8	2.4	2.6	3.0
25,000	.6	1.0	1.4	1.9	2.0	2.3
40,000	.5	.8	1.1	1.5	1.6	1.8
60,000	.4	.6	.9	1.2	1.3	1.5
82,800	.3	.5	.7	1.0	1.1	1.3

Economists

Table A-13a.—Standard errors of totals

Size of estimate	Estimated standard error
50	40
200	80
500	130
1,000	190
2,500	270
4,000	330
6,000	380
8,000	410
10,000	420
13,000	400
16,000	330
19,800	240

Table A-13b.—Standard errors of percentages

Base of percent	Estimated percent					
	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
50	11.8	18.3	25.2	33.7	36.5	42.1
200	5.9	9.1	12.6	16.8	18.2	21.0
500	3.7	5.8	7.9	10.6	11.5	13.3
1,000	2.6	4.1	5.6	7.5	8.1	9.4
2,500	1.6	2.5	3.5	4.7	5.1	5.9
4,000	1.3	2.0	2.8	3.7	4.0	4.7
6,000	1.0	1.6	2.3	3.0	3.3	3.8
8,000	.9	1.4	1.9	2.6	2.8	3.3
10,000	.8	1.2	1.7	2.3	2.5	2.9
13,000	.7	1.1	1.5	2.0	2.2	2.6
16,000	.6	1.0	1.4	1.8	2.0	2.3
19,800	.5	.9	1.2	1.6	1.8	2.1

Sample Selection Process for the 1974 Survey

The 156,116 sample cases for the 1972 Professional, Technical, and Scientific Manpower Survey were separated into two segments. The "target" segment consisted of 150,358 persons who were recorded by the 1970 Census of Population as being in one of the 40 groups of scientific, engineering, or related occupations in the 1970 experienced civilian labor force. The "residual" segment consisted of 5,758 persons who were recorded by the 1970 census as having four or more years of college and as being in the 1970 experienced civilian labor force in occupations other than the 40 target occupational groups.

The sample selection for the 1974 survey focused exclusively on the "target" segment. From this "target" segment, 115,557 persons responded in the 1972 survey. Based on criteria established by the National Science Foundation, these respondents were classified as "in-scope"; that is, in one of 8 major fields of science or engineering in 1972, or as "out-of-scope"; this is, outside a field of science or engineering in 1972. The in-scope cases, numbering 50,093 persons, became the sample for the 1974 survey.

Table A-14 presents a distribution of the 1972 respondents from the 40 groups of census occupations in the "target" segment according to their field of science or engineering in 1972.

Table A-14.—Field of science or engineering in 1972, by 1970 Census occupation

					Field of science or engineering in 1972										
					Mathematical specialists			Life scientists				Physical scientists			
	1970 census occupation[1]	Total	Computer specialists	Engineers	Total	Mathematicians	Statisticians	Total	Agricultural scientists	Biological scientists	Medical scientists	Total	Chemists	Physicists and astronomers	Other physical scientists
1	Total target occupations	115,557	3,391	25,797	2,185	1,604	581	4,891	2,025	2,139	727	6,248	3,644	2,128	476
2	Operations and computer specialists	14,820	2,809	780	189	163	26	32	9	17	6	61	18	35	8
3	Computer programmers	4,515	732	101	67	61	6	8	2	5	1	15	3	9	3
4	Computer systems analysts	4,596	1,453	185	59	50	9	11	4	5	2	18	4	11	3
5	Computer specialists, n.e.c.	991	215	116	17	16	1	3	1	1	1	7	1	6	—
6	Operations and systems analysts	4,718	409	378	46	36	10	10	2	6	2	21	10	9	2
7	Engineers	39,572	202	22,036	89	72	17	67	29	31	7	410	270	126	14
8	Aeronautical and astronautical engineers	4,715	23	2,985	23	21	2	6	2	3	1	46	12	31	3
9	Chemical engineers	4,308	14	3,233	5	5	—	9	2	6	1	192	173	16	3
10	Civil engineers	4,872	7	2,905	4	3	1	8	6	1	1	2	2	—	—
11	Electrical and electronic engineers	5,429	68	3,301	11	10	1	2	1	—	1	36	7	27	2
12	Industrial engineers	4,767	23	1,634	23	12	11	14	5	8	1	37	27	8	2
13	Mechanical engineers	4,761	13	2,824	5	5	—	3	1	2	—	6	—	6	—
14	Metallurgical and materials engineers	1,231	1	824	—	—	—	7	3	3	1	18	14	4	—
15	Mining and petroleum engineers	1,193	—	803	—	—	—	3	1	1	1	6	3	3	—
16	Sales engineers	4,060	14	1,328	1	1	—	3	1	2	—	12	7	4	1
17	Engineers, n.e.c., and engineering teachers	4,236	39	2,199	17	15	2	12	7	5	—	55	25	27	3
18	Mathematical specialists	4,579	155	139	1,679	1,218	461	22	4	12	6	50	21	25	4
19	Actuaries and statisticians	2,052	16	62	405	34	371	13	4	6	3	14	9	3	2
20	Mathematicians	2,527	139	77	1,274	1,184	90	9	—	6	3	36	12	22	2
21	Life scientists	6,611	4	71	6	1	5	3,713	1,718	1,683	312	291	91	7	193
22	Agricultural scientists	1,358	—	33	3	—	3	606	517	86	3	43	7	—	36
23	Foresters and conservationists[2]	1,369	1	17	—	—	—	1,037	1,018	17	2	14	2	—	12
24	Biological scientists	3,884	3	21	3	1	2	2,070	183	1,580	307	234	82	7	145
25	Physical scientists	10,560	37	803	37	34	3	203	40	98	65	4,634	2,707	1,753	174
26	Chemists	4,883	9	334	7	5	2	138	28	67	43	2,692	2,641	13	38
27	Physicists	2,888	8	323	15	15	—	38	2	15	21	1,822	37	1,709	76
28	Other physical scientists	2,789	10	146	15	14	1	27	10	16	1	120	29	31	60
29	Social scientists	10,116	67	217	60	27	33	73	21	24	28	54	29	9	16
30	Economists	4,564	63	170	44	15	29	30	19	7	4	23	18	3	2
31	Psychologists	3,030	2	5	3	1	2	23	—	6	17	7	2	—	5
32	Other social scientists	2,522	2	42	13	11	2	20	2	11	7	24	9	6	9
33	Engineering and science technicians	11,956	23	506	11	8	3	91	34	41	16	211	188	13	10
34	Agricultural, biological, and chemical technicians, excl. health technicians	2,105	2	34	2	2	—	50	19	23	8	158	150	2	6
35	Draftsmen	2,434	—	126	—	—	—	2	2	—	—	2	—	—	2
36	Electrical and electronic engineering technicians	2,025	8	79	2	1	1	2	—	1	1	5	4	1	—
37	Industrial and mechanical engineering technicians, and numerical control tool programmers	1,327	8	99	5	3	2	—	—	—	—	6	5	1	—
38	Surveyors	2,010	—	73	1	1	—	10	9	1	—	1	1	—	—
39	Mathematical technicians and engineering and science technicians, n.e.c.	2,055	5	95	1	1	—	27	4	16	7	39	28	9	2
40	Personnel and labor relations workers	2,506	5	50	7	6	1	14	7	4	3	12	8	3	1
41	Health specialties teachers	1,055	—	5	—	—	—	220	5	22	193	19	9	3	7
42	Trade, industrial, and technical teachers	122	1	1	—	—	—	2	—	—	2	—	—	—	—
43	Miscellaneous teachers	659	1	18	3	3	—	6	1	2	3	8	2	—	6
44	Teachers, subject not specified	2,018	7	125	33	27	6	123	24	78	21	98	47	42	9
45	Technicians, n.e.c.	1,234	3	17	1	1	—	5	2	2	1	8	6	2	—
46	Research workers, not specified	1,984	14	233	33	18	15	178	55	80	43	259	158	77	24
47	School administrators, college[2]	1,138	4	28	4	3	1	36	10	20	6	16	9	4	3
48	Managers and administrators, n.e.c.[2]	6,627	59	768	33	23	10	106	66	25	15	117	81	29	7

See footnote at end of table.

Table A-14.—Field of science or engineering in 1972, by 1970 Census occupation—Continued

	1970 census occupation[1]	Field of science or engineering in 1972									Not in a field of science or engineering in 1972
		Environmental scientists					Social scientists				
		Total	Atmospheric scientists	Earth scientists	Oceanographers	Psychologists	Total	Economists	Sociologists and anthropologists	Other social scientists	
1	Total target occupations	2,095	150	1,898	47	2,488	2,998	1,216	696	1,086	65,464
2	Operations and computer specialists	19	2	17	—	22	106	50	12	44	10,802
3	Computer programmers	6	1	5	—	9	5	4	—	1	3,572
4	Computer systems analysts	5	1	4	—	6	34	18	4	12	2,825
5	Computer specialists, n.e.c.	5	—	5	—	—	4	1	1	2	624
6	Operations and systems analysts	3	—	3	—	7	63	27	7	29	3,781
7	Engineers	71	6	65	—	21	69	31	8	30	16,607
8	Aeronautical and astronomical engineers	4	1	3	—	3	10	3	—	7	1,615
9	Chemical engineers	4	2	2	—	2	3	2	1	—	846
10	Civil engineers	14	—	14	—	1	6	2	—	4	1,925
11	Electrical and electronic engineers	2	1	1	—	—	4	2	—	2	2,005
12	Industrial engineers	4	2	2	—	7	27	15	2	10	2,998
13	Mechanical engineers	1	—	1	—	1	3	1	1	1	1,905
14	Metallurgical and materials engineers	1	—	1	—	1	1	—	—	1	378
15	Mining and petroleum engineers	33	—	33	—	—	1	—	1	—	347
16	Sales engineers	2	—	2	—	2	5	2	1	2	2,693
17	Engineers, n.e.c., and engineering teachers	6	—	6	—	4	9	4	2	3	1,895
18	Mathematical specialists	8	—	8	—	25	75	36	10	29	2,426
19	Actuaries and statisticians	1	—	1	—	15	56	27	7	22	1,470
20	Mathematicians	7	—	7	—	10	19	9	3	7	956
21	Life scientists	53	5	44	4	48	46	19	10	17	2,379
22	Agricultural scientists	12	2	10	—	—	25	16	2	7	636
23	Foresters and conservationists[2]	9	—	8	1	—	3	1	—	2	288
24	Biological scientists	32	3	26	3	48	18	2	8	8	1,455
25	Physical scientists	1,815	123	1,660	32	8	25	5	8	12	2,998
26	Chemists	13	1	11	1	2	8	2	4	2	1,680
27	Physicists	27	2	23	2	6	8	2	4	2	631
28	Other physical scientists	1,775	120	1,626	29	—	9	1	—	8	687
29	Social scientists	10	—	10	—	2,108	2,111	924	541	646	5,416
30	Economists	3	—	3	—	10	992	917	5	70	3,229
31	Psychologists	—	—	—	—	2,082	117	—	17	100	791
32	Other social scientists	7	—	7	—	16	1,002	7	519	476	1,396
33	Engineering and science technicians	15	1	14	—	5	11	2	5	4	11,083
34	Agricultural, biological, and chemical technicians, excl. health technicians	3	—	3	—	—	2	—	1	1	1,854
35	Draftsmen	3	—	3	—	2	—	—	—	—	2,299
36	Electrical and electronic engineering technicians	1	1	—	—	—	2	1	1	—	1,926
37	Industrial and mechanical engineering technicians, and numerical control tool programmers	—	—	—	—	—	2	1	—	1	1,207
38	Surveyors	—	—	—	—	—	2	—	1	1	1,923
39	Mathematical technicians and engineering and science technicians, n.e.c.	8	—	8	—	3	3	—	2	1	1,874
40	Personnel and labor relations workers	1	—	1	—	20	53	9	4	40	2,344
41	Health specialties teachers	1	—	1	—	28	11	1	2	8	771
42	Trade, industrial, and technical teachers	—	—	—	—	1	1	—	—	1	116
43	Miscellaneous teachers	13	2	11	—	1	49	1	2	46	560
44	Teachers, subject not specified	25	—	23	2	61	127	32	46	49	1,419
45	Technicians, n.e.c.	2	1	1	—	1	3	—	1	2	1,194
46	Research workers, not specified	37	7	21	9	68	111	27	25	59	1,051
47	School administrators, college[2]	5	—	5	—	35	53	17	6	30	957
48	Managers and administrators, n.e.c.[2]	20	3	17	—	36	147	62	16	69	5,341

[1] For detailed information on the composition of the census occupational categories, see U.S. Bureau of the Census, **Characteristics of Persons in Engineering and Scientific Occupations: 1972,** Technical Paper No. 33, 1974, appendix A (especially list A, page 120) for categories with line numbers 33-48, and appendix E for categories with line numbers 2-32.

[2] Excludes persons with fewer than four years of college.

NOTE: — Represents zero; n.e.c. Not elsewhere classified.

SOURCE: Bureau of the Census.

Analysis of Response

Table A-15 presents response rates of various components of the sample for the 1974 National Survey of Scientists and Engineers. The characteristics presented here are based on the 1970 census or on the 1974 survey. Since the percentages in the table are based on a complete count of the sample cases, no reference to the standard error tables is necessary.

Men were more likely than women to respond in the 1974 survey. About 88 percent of the men in the survey panel responded, compared with about 85 percent of the women.

Response rates increased steadily by age from a rate of nearly 76 percent for panel members under 25-years old to almost 92 percent for the age group 55 to 59-years old. After peaking for the 55 to 59 years of age group, however, the response rate made slight declines in the groups above 60, dropping to around 90 percent for persons 65 years and over. Since nonrespondents include deceased persons, this slight decrease in rates is expected. Overall, except for the two youngest age groups, over 85 percent of each age category responded in the 1974 survey; even the youngest groups, however, had rates above 75 percent.

There were only slight differences in response rates for 1974 among the various fields of science or engineering in 1972. The highest response rate, 91 percent, was that for environmental scientists, one of the oldest groups on the average. The lowest response rate was approximately 86 percent for computer specialists, social scientists, and psychologists.

Table A-15.—Percent distribution—analysis of response in the 1974 National Survey of Scientists and Engineers, by field of science or engineering in 1972, age in 1974, and sex

Sex, age in 1974, and field of science or engineering in 1972	Total number	Percent distribution		
		Total	Respondents	Nonrespondents
Total	50,093	100.0	88.2	11.8
SEX				
Male	46,877	100.0	88.3	11.7
Female	3,216	100.0	85.4	14.6
AGE IN 1974				
Under 25 years	9	100.0	75.8	24.2
25 to 29 years	4,730	100.0	83.9	16.1
30 to 34 years	9,174	100.0	85.6	14.4
35 to 39 years	8,312	100.0	87.1	12.9
40 to 44 years	7,797	100.0	88.8	11.2
45 to 49 years	7,057	100.0	89.7	10.3
50 to 54 years	5,646	100.0	91.3	8.7
55 to 59 years	3,495	100.0	91.6	8.4
60 to 64 years	2,161	100.0	91.1	8.9
65 years and over	1,622	100.0	89.5	10.5
FIELD OF SCIENCE OR ENGINEERING IN 1972				
Computer specialists	3,391	100.0	85.6	14.4
Engineers	25,797	100.0	88.1	11.9
Mathematical scientists	2,185	100.0	88.4	11.6
Life scientists	4,891	100.0	89.7	10.3
Physical scientists	6,248	100.0	89.9	10.1
Environmental scientists	2,095	100.0	90.7	9.3
Psychologists	2,488	100.0	86.1	13.9
Social scientists	2,998	100.0	85.5	14.5

SOURCE: Bureau of the Census.

APPENDIX B
Detailed Statistical Tables

Scientists and Engineers by Field

Page
B-1. Employment characteristics, National Sample: 1974 29
B-2. Number of scientists and engineers by field, highest degree, and employment status: 1974 30
B-3. Number of scientists and engineers by field, highest degree, and type of employer: 1974 35
B-4. Number of scientists and engineers by field, primary work activity, and highest degree: 1974 40
B-5. Number of scientists and engineers by field, age, and type of employer: 1974 46
B-6. Number of scientists and engineers by field, primary work activity, and type of employer: 1974 53
B-7. Number of doctorate scientists and engineers by field, primary work activity, and type of employer: 1974 61
B-8. Number of master's degree scientists and engineers by field, primary work activity, and type of employer: 1974 69
B-9. Number of bachelor's degree scientists and engineers by field, primary work activity, and type of employer: 1974 77
B-10. Number of scientists and engineers by field, highest degree, and areas of critical national interest: 1974 85
B-11. Number of scientists and engineers by field, sex, and employment status: 1974 90
B-12. Number of scientists and engineers by field, age, and employment status: 1974 92
B-13. Number of scientists and engineers by field, race, and employment status: 1974 99
B-14. Number of scientists and engineers receiving Federal support by field, agency of support, and highest degree: 1974 103
B-15. Number of scientists and engineers receiving Federal support by field, agency of support, and type of employer: 1974 113
B-16. Number of scientists and engineers receiving Federal support by field agency of support, and primary work activity: 1974 128

Women Scientists and Engineers by Field

B-17. Number of women scientists and engineers, by field and type of employer: 1974 143
B-18. Number of women scientists and engineers, by field and primary work activity: 1974 144
B-19. Median annual salaries of women scientists and engineers by field, race, and age: 1974 145
B-20. Median annual salaries of women scientists and engineers, by field and highest degree: 1974 148

Median Annual Salaries of Scientists and Engineers by Field

B-21. Median annual salaries of scientists and engineers by field, highest degree, and type of employer: 1974 149
B-22. Median annual salaires of scientists and engineers by field, primary work activity, and highest degree: 1974 154
B-23. Median annual salaries of scientists and engineers by field, primary work activity, and type of employer: 1974 159
B-24. Median annual salaries of doctorate scientists and engineers by field, primary work activity, and type of employer: 1974 167
B-25. Median annual salaries of master's degree scientists and engineers by field, primary work activity, and type of employer: 1974 175
B-26. Median annual salaries of bachelor's degree scientists and engineers by field, primary work activity, and type of employer: 1974 183
B-27. Median annual salaries of scientists and engineers by field, sex, and age: 1974 191
B-28. Median annual salaries of scientists and engineers by field, race, and age: 1974 193
B-29. Median annual salaries of scientists and engineers by field, sex, and race: 1974 197
B-30. Median annual salaries of scientists and engineers by field, employment status, and highest degree: 1974 198
B-31. Median annual salaries of scientists and engineers by field, employment status, and type of employer: 1974 202

Table B-1.—Employment characteristics, National Sample: 1974

Characteristics	Number	Percent	Median annual salary
Employment status			
Total	1,079,698	100.0	....
Employed	1,013,086	93.8	....
Science/engineering	977,272	90.5	....
Nonscience/nonengineering	35,814	3.3	....
Full-time employed	992,617	91.9	....
Science/engineering	958,410	88.8	....
Nonscience/nonengineering	34,207	3.2	....
Part-time employed	20,469	1.9	....
Science/engineering	18,862	1.7	....
Nonscience/nonengineering	1,602	.1	....
Not employed	66,612	6.2	....
Not employed, seeking employment	11,481	1.1	....
Not employed, not seeking employment	55,131	5.1	....
Retired	38,383	3.6	....
Other	16,748	1.6	....
Type of employer			
Business and industry	566,961	56.0	$ 19,000
Educational institutions	134,910	13.3	N/A
4-year colleges/universities	115,440	11.4	19,400
2-year colleges	9,828	1.0	17,400
Other educational institutions	9,642	1.0	19,000
Hospital/clinic	9,433	.9	17,500
Nonprofit organizations	28,292	2.8	20,100
Federal government	99,421	9.8	21,700
Military	3,172	.3	N/A
State government	37,926	3.7	16,400
Local government	35,843	3.5	18,900
Other government	19,150	1.9	19,400
Other	75,677	7.5	19,600
No report	2,301	.2	25,100
Primary work activity			
Research and development	302,776	29.9	18,400
Basic research	41,229	4.1	18,900
Applied research	53,926	5.3	19,800
Development and design	207,621	20.5	18,100
Management or administration	276,519	27.3	22,600
Of research and development	102,707	10.1	24,700
Of other than research and development	173,812	17.2	21,300
Teaching	84,599	8.4	19,200
Consulting	68,332	6.7	19,600
Production and inspection	128,150	12.6	17,600
Other activities	133,724	13.2	18,000
No report	18,986	1.9	19,100

Table B-2.—Number of scientists and engineers by field, highest degree, and employment status: 1974

Field and highest degree	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed (not seeking)	
		Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Total, all fields	1,079,698	1,013,086	977,272	35,814	992,617	958,410	34,207	20,469	18,862	1,607	66,612	11,481	38,383	16,748
Doctorate	180,870	173,054	169,192	3,862	168,563	165,011	3,552	4,491	4,181	310	7,816	1,445	4,677	1,694
Professional/medical	3,248	2,942	2,942	(†)	2,902	2,902	(†)	40	40	(†)	306	42	188	76
Master's	242,289	227,198	220,770	6,428	219,673	213,511	6,162	7,525	7,259	266	15,091	2,889	6,404	5,798
Bachelor's	620,396	579,191	553,705	25,486	570,816	546,323	24,493	8,375	7,382	993	41,205	6,769	25,707	8,729
Associate	12,539	12,060	12,022	38	12,022	12,022	(†)	38	(†)	38	479	262	70	147
Other	101	101	101	(†)	101	101	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	20,255	18,540	18,540	(†)	18,540	18,540	(†)	(†)	(†)	(†)	1,715	74	1,337	304
Physical scientists	121,011	112,079	110,522	1,557	109,069	107,586	1,483	3,010	2,936	74	8,932	1,431	4,510	2,991
Doctorate	54,665	51,756	51,284	472	50,618	50,171	447	1,138	1,113	25	2,909	421	1,886	602
Professional/medical	175	175	175	(†)	175	175	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	22,349	20,294	19,921	373	19,341	18,999	342	953	922	31	2,055	454	768	833
Bachelor's	43,822	39,854	39,142	712	38,935	38,241	694	919	901	18	3,968	556	1,856	1,556
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	87,334	80,119	79,317	802	78,669	77,885	784	1,450	1,432	18	7,215	1,094	3,648	2,473
Doctorate	35,897	33,827	33,567	260	33,175	32,915	260	652	652	(†)	2,070	335	1,336	399
Professional/medical	175	175	175	(†)	175	175	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	14,743	13,048	12,948	100	12,802	12,702	100	246	246	(†)	1,695	402	615	678
Bachelor's	36,519	33,069	32,627	442	32,517	32,093	424	552	534	18	3,450	357	1,697	1,396
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Physicists/astronomers	27,519	25,959	25,238	721	24,541	23,858	683	1,418	1,380	38	1,560	325	730	505
Doctorate	16,874	16,098	15,886	212	15,650	15,463	187	448	423	25	776	74	499	203
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	5,860	5,524	5,269	255	4,862	4,620	242	662	649	13	336	52	129	155
Bachelor's	4,785	4,337	4,083	257	4,029	3,775	254	308	308	(†)	448	199	102	147
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	6,158	6,001	5,967	34	5,859	5,843	16	142	124	18	157	12	132	13
Doctorate	1,894	1,831	1,831	(†)	1,793	1,793	(†)	38	38	(†)	63	12	51	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	1,746	1,722	1,704	18	1,677	1,677	(†)	45	27	18	24	(†)	24	(†)
Bachelor's	2,518	2,448	2,432	16	2,389	2,373	16	59	59	(†)	70	(†)	57	13
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-2—Con.

Field and highest degree	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed (not seeking)	
		Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Mathematical scientists	27,833	25,816	24,081	1,735	24,772	23,083	1,689	1,044	998	46	2,017	247	743	1,027
Doctorate	10,022	9,648	9,511	137	9,431	9,307	124	217	204	13	374	106	197	71
Professional/medical	147	134	134	(†)	134	134	(†)	(†)	(†)	(†)	13	(†)	13	(†)
Master's	9,328	8,502	8,319	183	7,835	7,652	183	667	667	(†)	826	75	253	498
Bachelor's	8,336	7,532	6,117	1,415	7,372	5,990	1,382	160	127	33	804	66	280	458
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematicians	20,076	18,754	17,474	1,280	17,908	16,647	1,261	846	827	19	1,322	197	370	755
Doctorate	7,708	7,370	7,320	50	7,179	7,129	50	191	191	(†)	338	92	175	71
Professional/medical	77	64	64	(†)	64	64	(†)	(†)	(†)	(†)	13	(†)	13	(†)
Master's	6,992	6,389	6,206	183	5,804	5,621	183	585	585	(†)	603	75	116	412
Bachelor's	5,299	4,931	3,884	1,047	4,861	3,833	1,028	70	51	19	368	30	66	272
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	7,757	7,062	6,607	455	6,864	6,436	428	198	171	27	695	50	373	272
Doctorate	2,314	2,278	2,191	87	2,252	2,178	74	26	13	13	36	14	22	(†)
Professional/medical	70	70	70	(†)	70	70	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	2,336	2,113	2,113	(†)	2,031	2,031	(†)	82	82	(†)	223	(†)	137	86
Bachelor's	3,037	2,601	2,233	368	2,511	2,157	354	90	76	14	436	36	214	186
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	55,186	53,082	52,093	989	52,364	51,392	972	718	701	17	2,104	534	210	1,360
Doctorate	2,604	2,570	2,570	(†)	2,555	2,555	(†)	15	15	(†)	34	(†)	17	17
Professional/medical	153	153	153	(†)	153	153	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	14,815	14,164	14,002	162	13,951	13,789	162	213	213	(†)	651	224	43	384
Bachelor's	37,614	36,195	35,368	827	35,705	34,895	810	490	473	17	1,419	310	150	959
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental scientists	29,466	27,926	27,298	628	26,922	26,294	628	1,004	1,004	(†)	1,540	297	862	381
Doctorate	8,054	7,646	7,610	36	7,551	7,515	36	95	95	(†)	408	107	231	70
Professional/medical	62	62	62	(†)	62	62	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	8,443	7,954	7,774	180	7,522	7,342	180	432	432	(†)	489	89	231	169
Bachelor's	12,907	12,264	11,852	412	11,787	11,375	412	477	477	(†)	643	101	400	142
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-2—Con.

		Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed (not seeking)	
Field and highest degree	Total	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Earth scientists	24,589	23,441	22,865	576	22,608	22,032	576	833	833	(†)	1,148	207	645	296
Doctorate	6,253	5,989	5,953	36	5,906	5,870	36	83	83	(†)	264	94	170	(†)
Professional/medical	62	62	62	(†)	62	62	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	6,927	6,548	6,420	128	6,249	6,121	128	299	299	(†)	379	41	184	154
Bachelor's	11,347	10,842	10,430	412	10,391	9,979	412	451	451	(†)	505	72	291	142
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	1,563	1,387	1,387	(†)	1,370	1,370	(†)	17	17	(†)	176	61	45	70
Doctorate	957	849	849	(†)	849	849	(†)	(†)	(†)	(†)	108	13	25	70
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	449	390	390	(†)	373	373	(†)	17	17	(†)	59	48	11	(†)
Bachelor's	157	148	148	(†)	148	148	(†)	(†)	(†)	(†)	9	(†)	9	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	3,314	3,098	3,046	52	2,944	2,892	52	154	154	(†)	216	29	172	15
Doctorate	844	808	808	(†)	796	796	(†)	12	12	(†)	36	(†)	36	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	1,067	1,016	964	52	900	848	52	116	116	(†)	51	(†)	36	15
Bachelor's	1,403	1,274	1,274	(†)	1,248	1,248	(†)	26	26	(†)	129	29	100	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	687,911	647,767	628,545	19,222	640,340	622,090	18,250	7,427	6,455	972	40,144	7,457	27,135	5,552
Doctorate	31,879	30,912	30,859	53	30,270	30,217	53	642	642	(†)	967	168	723	76
Professional/medical	1,002	861	861	(†)	848	848	(†)	13	13	(†)	141	28	66	47
Master's	145,290	138,175	135,116	3,059	136,294	133,312	2,982	1,881	1,804	77	7,115	1,561	3,905	1,649
Bachelor's	476,845	447,118	431,046	16,072	442,265	427,050	15,215	4,853	3,996	857	29,727	5,364	21,304	3,329
Associate	12,539	12,060	12,022	38	12,022	12,022	(†)	38	(†)	38	479	262	70	147
Other	101	101	101	(†)	101	101	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	20,255	18,540	18,540	(†)	18,540	18,540	(†)	(†)	(†)	(†)	1,715	74	1,337	304
Life scientists	75,462	69,958	66,926	3,032	67,710	64,764	2,946	2,248	2,162	86	5,504	720	2,358	2,426
Doctorate	31,765	30,190	29,748	442	29,597	29,168	429	593	580	13	1,575	332	727	516
Professional/medical	1,416	1,333	1,333	(†)	1,318	1,318	(†)	15	15	(†)	83	14	56	13
Master's	16,789	15,263	14,744	519	14,255	13,771	484	1,008	973	35	1,526	183	481	862
Bachelor's	25,492	23,172	21,101	2,071	22,540	20,507	2,033	632	594	38	2,320	191	1,094	1,035
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-2–Con.

Field and highest degree	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed (not seeking)	
		Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Biological scientists	35,935	33,050	31,824	1,226	31,657	30,466	1,191	1,393	1,358	35	2,885	457	671	1,757
Doctorate	19,981	18,915	18,663	252	18,526	18,287	239	389	376	13	1,066	260	433	373
Professional/medical	153	141	141	(†)	141	141	(†)	(†)	(†)	(†)	12	(†)	12	(†)
Master's	9,187	8,231	7,960	271	7,565	7,316	249	666	644	22	956	83	145	728
Bachelor's	6,614	5,763	5,060	703	5,425	4,722	703	338	338	(†)	851	114	81	656
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists	28,790	26,940	25,170	1,770	26,451	24,732	1,719	489	438	51	1,850	190	1,499	161
Doctorate	6,519	6,231	6,053	178	6,147	5,969	178	84	84	(†)	288	13	196	79
Professional/medical	25	25	25	(†)	25	25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	5,618	5,171	4,947	224	4,965	4,754	211	206	193	13	447	100	306	41
Bachelor's	16,628	15,513	14,145	1,368	15,314	13,984	1,330	199	161	38	1,115	77	997	41
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	10,737	9,968	9,932	36	9,602	9,566	36	366	366	(†)	769	73	188	508
Doctorate	5,265	5,044	5,032	12	4,924	4,912	12	120	120	(†)	221	59	98	64
Professional/medical	1,238	1,167	1,167	(†)	1,152	1,152	(†)	15	15	(†)	71	14	44	13
Master's	1,984	1,861	1,837	24	1,725	1,701	24	136	136	(†)	123	(†)	30	93
Bachelor's	2,250	1,896	1,896	(†)	1,801	1,801	(†)	95	95	(†)	354	(†)	16	338
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	34,889	32,819	30,304	2,515	29,713	27,404	2,309	3,106	2,900	206	2,070	356	820	894
Doctorate	20,404	19,685	18,662	1,023	18,531	17,672	859	1,154	990	164	719	138	323	258
Professional/medical	53	53	53	(†)	53	53	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	11,034	10,092	9,442	650	8,719	8,098	621	1,373	1,344	29	942	187	343	412
Bachelor's	3,398	2,989	2,147	842	2,410	1,581	829	579	566	13	409	31	154	224
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	47,940	43,639	37,503	6,136	41,727	35,797	5,930	1,912	1,706	206	4,301	439	1,745	2,117
Doctorate	21,477	20,647	18,948	1,699	20,010	18,406	1,604	637	542	95	830	173	573	84
Professional/medical	240	171	171	(†)	159	159	(†)	12	12	(†)	69	(†)	53	16
Master's	14,241	12,754	11,452	1,302	11,756	10,548	1,208	998	904	94	1,487	116	380	991
Bachelor's	11,982	10,067	6,932	3,135	9,802	6,684	3,118	265	248	17	1,915	150	739	1,026
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-2--Con.

Field and highest degree	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed (not seeking)	
	Total	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Economists	19,754	18,670	15,585	3,085	18,088	15,071	3,017	582	514	68	1,084	79	719	286
Doctorate	8,792	8,458	7,731	727	8,240	7,526	714	218	205	13	334	44	258	32
Professional/medical	181	112	112	(†)	112	112	(†)	(†)	(†)	(†)	69	(†)	53	16
Master's	5,119	4,909	4,274	635	4,664	4,084	580	245	190	55	210	35	124	51
Bachelor's	5,662	5,191	3,468	1,723	5,072	3,349	1,723	119	119	(†)	471	(†)	284	187
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Sociologists/ anthropologists	11,158	10,201	9,031	1,170	9,483	8,434	1,049	718	597	121	957	157	132	668
Doctorate	6,470	6,321	5,992	329	6,094	5,847	247	227	145	82	149	12	97	40
Professional/medical	14	14	14	(†)	14	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	2,937	2,518	2,198	320	2,052	1,771	281	466	427	39	419	26	35	358
Bachelor's	1,737	1,348	827	521	1,323	802	521	25	25	(†)	389	119	(†)	270
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	17,028	14,768	12,887	1,881	14,156	12,292	1,864	612	595	17	2,260	203	894	1,163
Doctorate	6,215	5,868	5,225	643	5,676	5,033	643	192	192	(†)	347	117	218	12
Professional/medical	45	45	45	(†)	33	33	(†)	12	12	(†)	(†)	(†)	(†)	(†)
Master's	6,185	5,327	4,980	347	5,040	4,693	347	287	287	(†)	858	55	221	582
Bachelor's	4,583	3,528	2,637	891	3,407	2,533	874	121	104	17	1,055	31	455	569
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) No cases reported

Source: National Science Foundation, National Sample, 1974.

Table B-3.—Number of scientists and engineers by field, highest degree, and type of employer: 1974

Field and highest degree	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Total, all fields . .	1,013,086	566,961	134,910	115,440	9,828	9,642	9,433	28,292	99,421	3,172	73,769	19,150	75,677	2,301
Doctorate	173,054	34,219	89,711	84,697	2,119	2,895	4,751	8,863	13,464	278	6,465	1,110	13,820	373
Professional/medical	2,942	876	1,152	1,061	12	79	53	38	374	(†)	264	93	92	(†)
Master's	227,198	122,149	32,081	20,545	6,578	4,958	2,637	8,486	23,433	639	15,460	3,794	18,018	501
Bachelor's	579,191	386,607	11,845	9,137	1,049	1,659	1,951	10,596	60,952	2,216	48,357	13,498	41,821	1,348
Associate	12,060	8,943	110	(†)	59	51	(†)	117	428	(†)	1,487	177	758	40
Other	101	101	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	18,540	14,066	11	(†)	11	(†)	41	192	770	39	1,736	478	1,168	39
Physical scientists	112,079	48,656	26,372	24,084	1,834	454	1,354	4,628	11,023	163	5,333	825	13,312	413
Doctorate	51,756	15,490	20,743	19,684	806	253	667	3,128	3,991	61	1,412	161	5,998	105
Professional/medical	175	25	75	75	(†)	(†)	(†)	(†)	28	(†)	24	(†)	23	(†)
Master's	20,294	9,156	3,677	2,526	993	158	369	780	2,574	90	778	216	2,572	82
Bachelor's	39,854	23,985	1,877	1,799	35	43	318	720	4,430	12	3,119	448	4,719	226
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	80,119	41,651	15,341	14,122	898	321	1,223	2,207	5,395	62	3,563	720	9,578	379
Doctorate	33,827	12,678	12,656	11,916	551	189	643	1,391	1,732	37	722	143	3,720	105
Professional/medical	175	25	75	75	(†)	(†)	(†)	(†)	28	(†)	24	(†)	23	(†)
Master's	13,048	7,241	1,557	1,108	347	102	291	248	1,203	25	506	189	1,724	64
Bachelor's	33,069	21,707	1,053	1,023	(†)	30	289	568	2,432	(†)	2,311	388	4,111	210
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Physicists/astronomers	25,959	5,405	10,308	9,339	848	121	94	2,178	3,905	101	935	56	2,977	(†)
Doctorate	16,098	2,322	7,679	7,372	243	64	24	1,569	2,013	24	636	18	1,813	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	5,524	1,285	1,840	1,226	570	44	41	457	926	65	144	27	739	(†)
Bachelor's	4,337	1,798	789	741	35	13	29	152	966	12	155	11	425	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	6,001	1,600	723	623	88	12	37	243	1,723	(†)	835	49	757	34
Doctorate	1,831	490	408	396	12	(†)	(†)	168	246	(†)	54	(†)	465	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	1,722	630	280	192	76	12	37	75	445	(†)	128	(†)	109	18
Bachelor's	2,448	480	35	35	(†)	(†)	(†)	(†)	1,032	(†)	653	49	183	16
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-3—Con.

Field and highest degree	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Mathematical scientists	25,816	5,428	11,886	10,047	1,607	232	106	643	3,784	133	1,759	208	1,786	83
Doctorate	9,648	603	7,591	7,380	186	25	67	170	540	(†)	202	(†)	475	(†)
Professional/medical	134	12	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	52	58	(†)	(†)
Master's	8,502	1,784	3,905	2,427	1,339	139	(†)	226	1,393	56	537	46	555	(†)
Bachelor's	7,532	3,029	390	240	82	68	39	247	1,839	77	968	104	756	83
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematicians	18,754	3,744	10,376	8,604	1,607	165	(†)	430	2,215	81	674	62	1,117	55
Doctorate	7,370	342	6,406	6,208	186	12	(†)	142	228	(†)	57	(†)	195	(†)
Professional/medical	64	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	52	(†)	(†)	(†)
Master's	6,389	1,167	3,648	2,170	1,339	139	(†)	82	848	31	269	13	331	(†)
Bachelor's	4,931	2,235	322	226	82	14	(†)	206	1,127	50	296	49	591	55
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	7,062	1,684	1,510	1,443	(†)	67	106	213	1,569	52	1,085	146	669	28
Doctorate	2,278	261	1,185	1,172	(†)	13	67	28	312	(†)	145	(†)	280	(†)
Professional/medical	70	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	58	(†)	(†)
Master's	2,113	617	257	257	(†)	(†)	(†)	144	545	25	268	33	224	(†)
Bachelor's	2,601	794	68	14	(†)	54	39	41	712	27	672	55	165	28
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	53,082	32,311	3,281	2,918	114	249	403	1,607	3,763	259	2,694	2,173	6,480	111
Doctorate	2,570	772	998	985	(†)	13	36	57	120	(†)	(†)	135	452	(†)
Professional/medical	153	116	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	20	17	(†)
Master's	14,164	8,579	993	830	27	136	92	642	843	82	626	439	1,868	(†)
Bachelor's	36,195	22,844	1,290	1,103	87	100	275	908	2,800	177	2,068	1,579	4,143	111
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental scientists	27,926	11,038	5,831	5,216	349	266	(†)	502	4,934	12	2,502	631	2,438	38
Doctorate	7,646	1,190	3,877	3,671	119	87	(†)	194	1,273	(†)	704	80	304	24
Professional/medical	62	50	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Master's	7,954	3,707	1,335	1,069	230	36	(†)	83	1,689	(†)	490	134	502	14
Bachelor's	12,264	6,091	619	476	(†)	143	(†)	225	1,972	12	1,308	417	1,620	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-3—Con.

			Educational institutions											
Field and highest degree	Total	Business and industry	Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Earth scientists	23,441	10,567	4,718	4,126	338	254	(†)	330	3,070	12	1,954	631	2,121	38
Doctorate	5,989	1,075	3,100	2,905	108	87	(†)	129	902	(†)	484	80	195	24
Professional/medical	62	50	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Master's	6,548	3,467	1,063	809	230	24	(†)	50	948	(†)	421	134	451	14
Bachelor's	10,842	5,975	555	412	(†)	143	(†)	151	1,220	12	1,049	417	1,463	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	1,387	37	529	518	11	(†)	(†)	22	436	(†)	290	(†)	73	(†)
Doctorate	849	12	417	406	11	(†)	(†)	13	150	(†)	184	(†)	73	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	390	25	88	88	(†)	(†)	(†)	9	225	(†)	43	(†)	(†)	(†)
Bachelor's	148	(†)	24	24	(†)	(†)	(†)	(†)	61	(†)	63	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	3,098	434	584	572	(†)	12	(†)	150	1,428	(†)	258	(†)	244	(†)
Doctorate	808	103	360	360	(†)	(†)	(†)	52	221	(†)	36	(†)	36	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	1,016	215	184	172	(†)	12	(†)	24	516	(†)	26	(†)	51	(†)
Bachelor's	1,274	116	40	40	(†)	(†)	(†)	74	691	(†)	196	(†)	157	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	647,767	449,441	20,235	17,005	1,891	1,339	566	13,427	56,713	2,429	46,933	14,010	43,241	772
Doctorate	30,912	12,761	9,930	9,524	108	298	(†)	1,874	2,299	120	671	290	2,955	12
Professional/medical	861	585	(†)	(†)	(†)	(†)	(†)	(†)	191	(†)	70	15	(†)	(†)
Master's	138,175	94,140	6,113	4,736	1,065	312	198	4,244	12,078	343	7,602	2,706	10,530	221
Bachelor's	447,118	318,845	4,071	2,745	648	678	327	7,000	40,947	1,927	35,367	10,344	27,830	460
Associate	12,060	8,943	110	(†)	59	51	(†)	117	428	(†)	1,487	177	758	40
Other	101	101	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	18,540	14,066	11	(†)	11	(†)	41	192	770	39	1,736	478	1,168	39
Life scientists	69,958	11,410	29,640	26,285	2,310	1,045	1,647	2,077	13,139	132	6,937	375	4,319	282
Doctorate	30,190	2,034	20,598	19,790	434	374	792	918	2,893	69	1,320	83	1,407	76
Professional/medical	1,333	39	1,011	959	(†)	52	53	38	64	(†)	105	(†)	23	(†)
Master's	15,263	2,474	6,333	4,206	1,715	412	219	453	2,712	52	1,898	52	925	145
Bachelor's	23,172	6,863	1,698	1,330	161	207	583	668	7,470	11	3,614	240	1,964	61
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-3—Con.

Field and highest degree	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Biological scientists . .	33,050	3,585	18,357	15,784	1,798	775	493	1,047	3,612	110	2,930	230	2,554	132
Doctorate	18,915	967	13,616	12,922	409	285	271	657	1,558	69	719	38	1,009	11
Professional/medical	141	(†)	52	52	(†)	(†)	(†)	26	(†)	(†)	52	(†)	11	(†)
Master's	8,231	1,200	3,850	2,124	1,352	374	41	215	1,000	41	1,025	28	722	109
Bachelor's	5,763	1,418	839	686	37	116	181	149	1,054	(†)	1,134	164	812	12
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists .	26,940	7,259	5,583	5,330	184	69	(†)	448	9,013	22	3,478	75	990	72
Doctorate	6,231	818	3,714	3,665	25	24	(†)	36	1,016	(†)	413	29	205	(†)
Professional/medical	25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	25	(†)	(†)	(†)	(†)	(†)
Master's	5,171	1,157	1,447	1,314	120	13	(†)	46	1,572	11	800	11	104	23
Bachelor's	15,513	5,284	422	351	39	32	(†)	366	6,400	11	2,265	35	681	49
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	9,968	566	5,700	5,171	328	201	1,154	582	514	(†)	529	70	775	78
Doctorate	5,044	249	3,268	3,203	(†)	65	521	225	319	(†)	188	16	193	65
Professional/medical	1,167	39	959	907	(†)	52	53	12	39	(†)	53	(†)	12	(†)
Master's	1,861	117	1,036	768	243	25	178	192	140	(†)	73	13	99	13
Bachelor's	1,896	161	437	293	85	59	402	153	16	(†)	215	41	471	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	32,819	2,283	17,007	10,883	681	5,443	4,905	2,447	994	28	2,387	225	2,428	115
Doctorate	19,685	537	10,665	8,828	267	1,570	3,126	1,658	684	12	1,038	196	1,734	39
Professional/medical	53	(†)	40	13	(†)	27	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)
Master's	10 092	616	5,499	1,558	414	3,527	1,437	500	257	16	1,153	29	561	24
Bachelor's	2,989	1,130	803	484	(†)	319	342	289	53	(†)	187	(†)	133	52
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	43,639	6,394	20,658	19,002	1,042	614	452	2,961	5,071	16	5,224	703	1,673	487
Doctorate	20,647	832	15,309	14,835	199	275	63	864	1,664	16	1,122	165	495	117
Professional/medical	171	49	26	14	12	(†)	(†)	(†)	79	(†)	(†)	(†)	17	(†)
Master's	12,754	1,693	4,226	3,193	795	238	322	1,558	1,887	(†)	2,376	172	505	15
Bachelor's	10,067	3,820	1,097	960	36	101	67	539	1,441	(†)	1,726	366	656	355
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-3–Con.

Field and highest degree	Total	Business and industry	Educational institutions: Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Economists	18,670	4,434	6,590	6,263	280	47	31	726	3,538	(†)	1,719	582	960	90
Doctorate	8,458	760	5,003	4,909	80	14	13	391	1,167	(†)	597	165	335	27
Professional/medical	112	49	12	(†)	12	(†)	(†)	(†)	51	(†)	(†)	(†)	(†)	(†)
Master's	4,909	1,276	1,137	957	164	16	(†)	153	1,294	(†)	643	126	265	15
Bachelor's	5,191	2,349	438	397	24	17	18	182	1,026	(†)	479	291	360	48
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Sociologists/ anthropologists	10,201	802	7,271	6,830	356	85	53	653	411	(†)	683	10	169	149
Doctorate	6,321	29	5,580	5,456	79	45	24	190	127	(†)	257	(†)	73	41
Professional/medical	14	(†)	14	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	2,815	212	1,412	1,095	277	40	13	336	112	(†)	327	10	96	(†)
Bachelor's	1,348	561	265	265	(†)	(†)	16	127	172	(†)	99	(†)	(†)	108
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists .	14,768	1,158	6,797	5,909	406	482	368	1,582	1,122	16	2,822	111	544	248
Doctorate	5,868	43	4,726	4,470	40	216	26	283	370	16	268	(†)	87	49
Professional/medical	45	(†)	(†)	(†)	(†)	(†)	(†)	(†)	28	(†)	(†)	(†)	17	(†)
Master's	5,327	205	1,677	1,141	354	182	309	1,069	481	(†)	1,406	36	144	(†)
Bachelor's	3,528	910	394	298	12	84	33	230	243	(†)	1,148	75	296	199
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-4.—Number of scientists and engineers by field, primary work activity, and highest degree: 1974

Field and primary work activity	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Total, all fields	1,013,086	173,054	2,942	227,198	579,191	12,060	101	18,540
Research and development	302,776	57,795	461	73,711	158,526	5,330	13	6,940
Basic research	41,229	25,829	282	7,232	7,739	15	(†)	132
Applied research	53,926	21,911	108	15,828	15,646	51	(†)	382
Development/design	207,621	10,055	71	50,651	135,141	5,264	13	6,426
Management or administration	276,519	33,293	583	58,981	178,642	1,617	76	3,327
Of R&D	102,707	22,169	209	27,622	51,920	450	(†)	337
Other than R&D	173,812	11,124	374	31,359	126,722	1,167	76	2,990
Teaching	84,599	57,776	679	19,714	6,160	125	(†)	145
Production/inspection	128,150	1,716	355	17,114	102,049	2,416	12	4,488
Consulting	68,332	10,876	336	20,391	35,694	492	(†)	543
Reporting, statistical work, and computing application	90,676	5,924	379	23,729	58,543	822	(†)	1,279
Other activities	43,048	2,774	64	9,708	28,093	1,042	(†)	1,367
Not reported	18,986	2,900	85	3,850	11,484	216	(†)	451
Physical scientists	112,079	51,756	175	20,294	39,854	(†)	(†)	(†)
Research and development	49,448	24,818	51	9,426	15,153	(†)	(†)	(†)
Basic research	18,828	12,463	51	2,983	3,331	(†)	(†)	(†)
Applied research	16,585	8,270	(†)	3,378	4,937	(†)	(†)	(†)
Development/design	14,035	4,085	(†)	3,065	6,885	(†)	(†)	(†)
Management or administration	25,282	10,272	52	4,306	10,652	(†)	(†)	(†)
Of R&D	16,955	7,993	52	2,989	5,921	(†)	(†)	(†)
Other than R&D	8,327	2,279	(†)	1,317	4,731	(†)	(†)	(†)
Teaching	14,786	12,023	(†)	2,237	526	(†)	(†)	(†)
Production/inspection	11,702	723	48	2,051	8,880	(†)	(†)	(†)
Consulting	2,637	1,113	24	714	786	(†)	(†)	(†)
Reporting, statistical work, and computing application	2,835	1,024	(†)	582	1,229	(†)	(†)	(†)
Other activities	2,846	665	(†)	566	1,615	(†)	(†)	(†)
Not reported	2,543	1,118	(†)	412	1,013	(†)	(†)	(†)
Chemists	80,119	33,827	175	13,048	33,069	(†)	(†)	(†)
Research and development	35,204	16,041	51	6,555	12,557	(†)	(†)	(†)
Basic research	12,152	7,827	51	1,826	2,448	(†)	(†)	(†)
Applied research	11,355	5,158	(†)	2,263	3,934	(†)	(†)	(†)
Development/design	11,697	3,056	(†)	2,466	6,175	(†)	(†)	(†)
Management or administration	18,386	7,353	52	2,705	8,276	(†)	(†)	(†)
Of R&D	12,316	5,822	52	1,662	4,780	(†)	(†)	(†)
Other than R&D	6,070	1,531	(†)	1,043	3,496	(†)	(†)	(†)
Teaching	8,582	7,295	(†)	882	405	(†)	(†)	(†)
Production/inspection	10,648	594	48	1,694	8,312	(†)	(†)	(†)
Consulting	1,573	722	24	297	530	(†)	(†)	(†)
Reporting, statistical work, and computing application	1,282	466	(†)	220	596	(†)	(†)	(†)
Other activities	2,398	557	(†)	406	1,435	(†)	(†)	(†)
Not reported	2,046	799	(†)	289	958	(†)	(†)	(†)
Physicists/astronomers	25,959	16,098	(†)	5,524	4,337	(†)	(†)	(†)
Research and development	11,804	7,604	(†)	2,278	1,922	(†)	(†)	(†)
Basic research	5,779	4,065	(†)	1,019	695	(†)	(†)	(†)
Applied research	4,144	2,625	(†)	831	688	(†)	(†)	(†)
Development/design	1,881	914	(†)	428	539	(†)	(†)	(†)
Management or administration	5,337	2,572	(†)	1,218	1,547	(†)	(†)	(†)
Of R&D	3,623	1,875	(†)	990	758	(†)	(†)	(†)
Other than R&D	1,714	697	(†)	228	789	(†)	(†)	(†)
Teaching	5,744	4,483	(†)	1,148	113	(†)	(†)	(†)
Production/inspection	790	112	(†)	268	410	(†)	(†)	(†)
Consulting	646	391	(†)	144	111	(†)	(†)	(†)
Reporting, statistical work, and computing application	976	546	(†)	265	165	(†)	(†)	(†)
Other activities	221	83	(†)	98	40	(†)	(†)	(†)
Not reported	441	307	(†)	105	29	(†)	(†)	(†)

Table B-4—Con.

Field and primary work activity	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Other physical scientists	6,001	1,831	(†)	1,722	2,448	(†)	(†)	(†)
Research and development	2,440	1,173	(†)	593	674	(†)	(†)	(†)
Basic research	897	571	(†)	138	188	(†)	(†)	(†)
Applied research	1,086	487	(†)	284	315	(†)	(†)	(†)
Development/design	457	115	(†)	171	171	(†)	(†)	(†)
Management or administration	1,559	347	(†)	383	829	(†)	(†)	(†)
Of R&D	1,016	296	(†)	337	383	(†)	(†)	(†)
Other than R&D	543	51	(†)	46	446	(†)	(†)	(†)
Teaching	460	245	(†)	207	8	(†)	(†)	(†)
Production/inspection	264	17	(†)	89	158	(†)	(†)	(†)
Consulting	418	(†)	(†)	273	145	(†)	(†)	(†)
Reporting, statistical work, and computing application	577	12	(†)	97	468	(†)	(†)	(†)
Other activities	227	25	(†)	62	140	(†)	(†)	(†)
Not reported	56	12	(†)	18	26	(†)	(†)	(†)
Mathematical scientists	25,816	9,648	134	8,502	7,532	(†)	(†)	(†)
Research and development	3,284	1,754	52	918	560	(†)	(†)	(†)
Basic research	1,652	1,237	(†)	223	192	(†)	(†)	(†)
Applied research	1,182	493	52	405	232	(†)	(†)	(†)
Development/design	450	24	(†)	290	136	(†)	(†)	(†)
Management or administration	4,738	816	(†)	1,118	2,804	(†)	(†)	(†)
Of R&D	2,049	416	(†)	549	1,084	(†)	(†)	(†)
Other than R&D	2,689	400	(†)	569	1,720	(†)	(†)	(†)
Teaching	9,493	5,804	(†)	3,488	201	(†)	(†)	(†)
Production/inspection	1,009	62	(†)	341	606	(†)	(†)	(†)
Consulting	588	228	(†)	186	174	(†)	(†)	(†)
Reporting, statistical work, and computing application	5,885	746	82	2,285	2,772	(†)	(†)	(†)
Other activities	289	37	(†)	75	177	(†)	(†)	(†)
Not reported	530	201	(†)	91	238	(†)	(†)	(†)
Mathematicians	18,754	7,370	64	6,389	4,931	(†)	(†)	(†)
Research and development	2,803	1,447	52	783	521	(†)	(†)	(†)
Basic research	1,488	1,130	(†)	192	166	(†)	(†)	(†)
Applied research	920	305	52	331	232	(†)	(†)	(†)
Development/design	395	12	(†)	260	123	(†)	(†)	(†)
Management or administration	3,613	469	(†)	736	2,408	(†)	(†)	(†)
Of R&D	1,508	213	(†)	383	912	(†)	(†)	(†)
Other than R&D	2,105	256	(†)	353	1,496	(†)	(†)	(†)
Teaching	8,566	4,952	12	3,413	201	(†)	(†)	(†)
Production/inspection	723	62	(†)	209	452	(†)	(†)	(†)
Consulting	352	146	(†)	98	108	(†)	(†)	(†)
Reporting, statistical work, and computing application	2,186	163	(†)	1,034	977	(†)	(†)	(†)
Other activities	114	37	(†)	37	40	(†)	(†)	(†)
Not reported	397	94	(†)	79	224	(†)	(†)	(†)
Statisticians	7,062	2,278	70	2,113	2,601	(†)	(†)	(†)
Research and development	481	307	(†)	135	39	(†)	(†)	(†)
Basic research	164	107	(†)	31	26	(†)	(†)	(†)
Applied research	262	188	(†)	74	(†)	(†)	(†)	(†)
Development/design	55	12	(†)	30	13	(†)	(†)	(†)
Management or administration	1,125	347	(†)	382	396	(†)	(†)	(†)
Of R&D	541	203	(†)	166	172	(†)	(†)	(†)
Other than R&D	584	144	(†)	216	224	(†)	(†)	(†)
Teaching	927	852	(†)	75	(†)	(†)	(†)	(†)
Production/inspection	286	(†)	(†)	132	154	(†)	(†)	(†)
Consulting	236	82	(†)	88	66	(†)	(†)	(†)
Reporting, statistical work, and computing application	3,699	583	70	1,251	1,795	(†)	(†)	(†)
Other activities	175	(†)	(†)	38	137	(†)	(†)	(†)
Not reported	133	107	(†)	12	14	(†)	(†)	(†)

Table B-4—Con.

Field and primary work activity	Total	Doctorate	Professional/medical	Master's	Bachelor's	Associate	Other	No degree
Computer specialists	53,082	2,570	153	14,164	36,195	(†)	(†)	(†)
Research and development	3,136	570	(†)	1,274	1,292	(†)	(†)	(†)
Basic research	244	83	(†)	124	37	(†)	(†)	(†)
Applied research	406	253	(†)	65	88	(†)	(†)	(†)
Development/design	2,486	234	(†)	1,085	1,167	(†)	(†)	(†)
Management or administration	6,672	210	(†)	1,919	4,543	(†)	(†)	(†)
Of R&D	2,138	100	(†)	520	1,518	(†)	(†)	(†)
Other than R&D	4,534	110	(†)	1,399	3,025	(†)	(†)	(†)
Teaching	1,723	626	(†)	648	449	(†)	(†)	(†)
Production/inspection	1,371	30	(†)	548	793	(†)	(†)	(†)
Consulting	3,412	212	20	902	2,278	(†)	(†)	(†)
Reporting, statistical work, and computing application	35,252	876	133	8,507	25,736	(†)	(†)	(†)
Other activities	1,096	17	(†)	269	810	(†)	(†)	(†)
Not reported	420	29	(†)	97	294	(†)	(†)	(†)
Environmental scientists	27,926	7,646	62	7,954	12,264	(†)	(†)	(†)
Research and development	7,407	2,804	12	2,526	2,065	(†)	(†)	(†)
Basic research	2,806	1,479	(†)	637	690	(†)	(†)	(†)
Applied research	3,761	1,238	(†)	1,531	992	(†)	(†)	(†)
Development/design	840	87	12	358	383	(†)	(†)	(†)
Management or administration	6,525	1,424	(†)	1,720	3,381	(†)	(†)	(†)
Of R&D	2,373	956	(†)	490	927	(†)	(†)	(†)
Other than R&D	4,152	468	(†)	1,230	2,454	(†)	(†)	(†)
Teaching	3,466	2,438	(†)	694	334	(†)	(†)	(†)
Production/inspection	2,092	60	25	517	1,490	(†)	(†)	(†)
Consulting	2,856	294	(†)	922	1,640	(†)	(†)	(†)
Reporting, statistical work, and computing application	2,143	263	13	543	1,324	(†)	(†)	(†)
Other activities	2,753	201	12	905	1,635	(†)	(†)	(†)
Not reported	684	162	(†)	127	395	(†)	(†)	(†)
Earth scientists	23,441	5,989	62	6,548	10,842	(†)	(†)	(†)
Research and development	5,732	1,876	12	1,908	1,936	(†)	(†)	(†)
Basic research	2,252	1,016	(†)	573	663	(†)	(†)	(†)
Applied research	2,733	821	(†)	1,022	890	(†)	(†)	(†)
Development/design	747	39	12	313	383	(†)	(†)	(†)
Management or administration	5,569	1,045	(†)	1,411	3,113	(†)	(†)	(†)
Of R&D	1,863	598	(†)	397	868	(†)	(†)	(†)
Other than R&D	3,706	447	(†)	1,014	2,245	(†)	(†)	(†)
Teaching	3,162	2,204	(†)	635	323	(†)	(†)	(†)
Production/inspection	1,755	60	25	428	1,242	(†)	(†)	(†)
Consulting	2,634	272	(†)	796	1,566	(†)	(†)	(†)
Reporting, statistical work, and computing application	1,645	223	13	449	960	(†)	(†)	(†)
Other activities	2,309	163	12	815	1,319	(†)	(†)	(†)
Not reported	635	146	(†)	106	383	(†)	(†)	(†)
Oceanographers	1,387	849	(†)	390	148	(†)	(†)	(†)
Research and development	769	490	(†)	253	26	(†)	(†)	(†)
Basic research	324	259	(†)	52	13	(†)	(†)	(†)
Applied research	400	231	(†)	156	13	(†)	(†)	(†)
Development/design	45	(†)	(†)	45	(†)	(†)	(†)	(†)
Management or administration	331	251	(†)	68	12	(†)	(†)	(†)
Of R&D	286	241	(†)	33	12	(†)	(†)	(†)
Other than R&D	45	10	(†)	35	(†)	(†)	(†)	(†)
Teaching	108	84	(†)	13	11	(†)	(†)	(†)
Production/inspection	13	(†)	(†)	(†)	13	(†)	(†)	(†)
Consulting	22	(†)	(†)	9	13	(†)	(†)	(†)
Reporting, statistical work, and computing application	84	11	(†)	12	61	(†)	(†)	(†)
Other activities	39	13	(†)	14	12	(†)	(†)	(†)
Not reported	21	(†)	(†)	21	(†)	(†)	(†)	(†)

Table B-4—Con.

Field and primary work activity	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Atmospheric scientists	3,098	808	(†)	1,016	1,274	(†)	(†)	(†)
Research and development	906	438	(†)	365	103	(†)	(†)	(†)
Basic research	230	204	(†)	12	14	(†)	(†)	(†)
Applied research	628	186	(†)	353	89	(†)	(†)	(†)
Development/design	48	48	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	625	128	(†)	241	256	(†)	(†)	(†)
Of R&D	224	117	(†)	60	47	(†)	(†)	(†)
Other than R&D	401	11	(†)	181	209	(†)	(†)	(†)
Teaching	196	150	(†)	46	(†)	(†)	(†)	(†)
Production/inspection	324	(†)	(†)	89	235	(†)	(†)	(†)
Consulting	200	22	(†)	117	61	(†)	(†)	(†)
Reporting, statistical work, and computing application	414	29	(†)	82	303	(†)	(†)	(†)
Other activities	405	25	(†)	76	304	(†)	(†)	(†)
Not reported	28	16	(†)	(†)	12	(†)	(†)	(†)
Engineers	647,767	30,912	861	138,175	447,118	12,060	101	18,540
Research and development	211,758	11,040	59	53,519	134,857	5,330	13	6,940
Basic research	3,879	1,263	(†)	1,112	1,357	15	(†)	132
Applied research	20,176	5,051	12	7,139	7,541	51	(†)	382
Development/design	187,703	4,726	47	45,268	125,959	5,264	13	6,426
Management or administration	197,798	8,075	321	41,569	142,813	1,617	76	3,327
Of R&D	66,800	6,144	54	19,914	39,901	450	(†)	337
Other than R&D	130,998	1,931	267	21,655	102,912	1,167	76	2,990
Teaching	14,359	7,421	(†)	3,747	2,921	125	(†)	145
Production/inspection	104,878	468	259	12,374	84,861	2,416	12	4,488
Consulting	40,752	2,049	65	10,040	27,563	492	(†)	543
Reporting, statistical work, and computing application	36,537	1,091	58	8,782	24,505	822	(†)	1,279
Other activities	29,965	450	52	5,940	21,114	1,042	(†)	1,367
Not reported	11,720	318	47	2,204	8,484	216	(†)	451
Life scientists	69,958	30,190	1,333	15,263	23,172	(†)	(†)	(†)
Research and development	19,427	11,933	270	3,677	3,547	(†)	(†)	(†)
Basic research	10,285	6,994	231	1,432	1,628	(†)	(†)	(†)
Applied research	7,667	4,315	27	1,908	1,417	(†)	(†)	(†)
Development/design	1,475	624	12	337	502	(†)	(†)	(†)
Management or administration	18,088	5,028	180	3,511	9,369	(†)	(†)	(†)
Of R&D	6,397	3,488	87	1,372	1,450	(†)	(†)	(†)
Other than R&D	11,691	1,540	93	2,139	7,919	(†)	(†)	(†)
Teaching	16,907	11,280	654	4,111	862	(†)	(†)	(†)
Production/inspection	5,016	114	23	975	3,904	(†)	(†)	(†)
Consulting	3,745	632	154	905	2,054	(†)	(†)	(†)
Reporting, statistical work, and computing application	2,601	409	27	775	1,390	(†)	(†)	(†)
Other activities	2,769	373	(†)	748	1,648	(†)	(†)	(†)
Not reported	1,405	421	25	561	398	(†)	(†)	(†)
Biological scientists	33,050	18,915	141	8,231	5,763	(†)	(†)	(†)
Research and development	10,618	6,742	66	2,127	1,683	(†)	(†)	(†)
Basic research	6,993	5,000	66	974	953	(†)	(†)	(†)
Applied research	2,812	1,338	(†)	934	540	(†)	(†)	(†)
Development/design	813	404	(†)	219	190	(†)	(†)	(†)
Management or administration	5,412	2,619	12	1,174	1,607	(†)	(†)	(†)
Of R&D	2,986	1,770	(†)	735	481	(†)	(†)	(†)
Other than R&D	2,426	849	12	439	1,126	(†)	(†)	(†)
Teaching	11,979	8,620	(†)	2,873	486	(†)	(†)	(†)
Production/inspection	1,506	81	11	632	782	(†)	(†)	(†)
Consulting	864	259	52	343	210	(†)	(†)	(†)
Reporting, statistical work, and computing application	1,217	239	(†)	352	626	(†)	(†)	(†)
Other activities	923	159	(†)	463	301	(†)	(†)	(†)
Not reported	531	196	(†)	267	68	(†)	(†)	(†)

Table B-4—Con.

Field and primary work activity	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Agricultural scientists	26,940	6,231	25	5,171	15,513	(†)	(†)	(†)
Research and development	5,519	3,217	13	1,229	1,060	(†)	(†)	(†)
Basic research	1,096	667	(†)	246	183	(†)	(†)	(†)
Applied research	3,925	2,418	13	865	629	(†)	(†)	(†)
Development/design	498	132	(†)	118	248	(†)	(†)	(†)
Management or administration	10,618	1,379	(†)	1,788	7,451	(†)	(†)	(†)
Of R&D	2,333	1,010	(†)	454	869	(†)	(†)	(†)
Other than R&D	8,285	369	(†)	1,334	6,582	(†)	(†)	(†)
Teaching	1,898	1,094	(†)	625	179	(†)	(†)	(†)
Production/inspection	3,300	33	12	331	2,924	(†)	(†)	(†)
Consulting	2,265	271	(†)	396	1,598	(†)	(†)	(†)
Reporting, statistical work, and computing application	1,026	23	(†)	365	638	(†)	(†)	(†)
Other activities	1,783	165	(†)	285	1,333	(†)	(†)	(†)
Not reported	531	49	(†)	152	330	(†)	(†)	(†)
Medical scientists	9,968	5,044	1,167	1,861	1,896	(†)	(†)	(†)
Research and development	3,290	1,974	191	321	804	(†)	(†)	(†)
Basic research	2,196	1,327	165	212	492	(†)	(†)	(†)
Applied research	930	559	14	109	248	(†)	(†)	(†)
Development/design	164	88	12	(†)	64	(†)	(†)	(†)
Management or administration	2,058	1,030	168	549	311	(†)	(†)	(†)
Of R&D	1,078	708	87	183	100	(†)	(†)	(†)
Other than R&D	980	322	81	366	211	(†)	(†)	(†)
Teaching	3,030	1,566	654	613	197	(†)	(†)	(†)
Production/inspection	210	(†)	(†)	12	198	(†)	(†)	(†)
Consulting	616	102	102	166	246	(†)	(†)	(†)
Reporting, statistical work, and computing application	358	147	27	58	126	(†)	(†)	(†)
Other activities	63	49	(†)	(†)	14	(†)	(†)	(†)
Not reported	343	176	25	142	(†)	(†)	(†)	(†)
Psychologists	32,819	19,685	53	10,092	2,989	(†)	(†)	(†)
Research and development	2,964	1,887	(†)	656	421	(†)	(†)	(†)
Basic research	1,400	974	(†)	248	178	(†)	(†)	(†)
Applied research	1,234	682	(†)	369	183	(†)	(†)	(†)
Development/design	330	231	(†)	39	60	(†)	(†)	(†)
Management or administration	5,950	3,764	(†)	1,284	902	(†)	(†)	(†)
Of R&D	2,389	1,575	(†)	534	280	(†)	(†)	(†)
Other than R&D	3,561	2,189	(†)	750	622	(†)	(†)	(†)
Teaching	8,880	6,793	13	1,796	278	(†)	(†)	(†)
Production/inspection	532	58	(†)	105	369	(†)	(†)	(†)
Consulting	12,100	5,847	27	5,418	808	(†)	(†)	(†)
Reporting, statistical work, and computing application	845	488	(†)	328	29	(†)	(†)	(†)
Other activities	921	496	(†)	295	130	(†)	(†)	(†)
Not reported	627	352	13	210	52	(†)	(†)	(†)
Social scientists	43,639	20,647	171	12,754	10,067	(†)	(†)	(†)
Research and development	5,352	2,989	17	1,715	631	(†)	(†)	(†)
Basic research	2,135	1,336	(†)	473	326	(†)	(†)	(†)
Applied research	2,915	1,609	17	1,033	256	(†)	(†)	(†)
Development/design	302	44	(†)	209	49	(†)	(†)	(†)
Management or administration	11,466	3,704	30	3,554	4,178	(†)	(†)	(†)
Of R&D	3,606	1,497	16	1,254	839	(†)	(†)	(†)
Other than R&D	7,860	2,207	14	2,300	3,339	(†)	(†)	(†)
Teaching	14,985	11,391	12	2,993	589	(†)	(†)	(†)
Production/inspection	1,550	201	(†)	203	1,146	(†)	(†)	(†)
Consulting	2,242	501	46	1,304	391	(†)	(†)	(†)
Reporting, statistical work, and computing application	4,578	1,027	66	1,927	1,558	(†)	(†)	(†)
Other activities	2,409	535	(†)	910	964	(†)	(†)	(†)
Not reported	1,057	299	(†)	148	610	(†)	(†)	(†)

Table B-4—Con.

Field and primary work activity	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Economists	18,670	8,458	112	4,909	5,191	(†)	(†)	(†)
Research and development	2,866	1,599	17	898	352	(†)	(†)	(†)
Basic research	594	372	(†)	114	108	(†)	(†)	(†)
Applied research	2,057	1,208	17	607	225	(†)	(†)	(†)
Development/design	215	19	(†)	177	19	(†)	(†)	(†)
Management or administration	5,237	1,778	(†)	1,295	2,164	(†)	(†)	(†)
Of R&D	1,921	834	(†)	607	480	(†)	(†)	(†)
Other than R&D	3,316	944	(†)	688	1,684	(†)	(†)	(†)
Teaching	4,678	3,643	12	793	230	(†)	(†)	(†)
Production/inspection	952	15	(†)	(†)	937	(†)	(†)	(†)
Consulting	677	317	34	261	65	(†)	(†)	(†)
Reporting, statistical work, and computing application	2,944	706	49	1,182	1,007	(†)	(†)	(†)
Other activities	1,038	251	(†)	415	372	(†)	(†)	(†)
Not reported	278	149	(†)	65	64	(†)	(†)	(†)
Sociologists/anthropoligists	10,201	6,321	14	2,518	1,348	(†)	(†)	(†)
Research and development	1,287	820	(†)	451	16	(†)	(†)	(†)
Basic research	804	541	(†)	247	16	(†)	(†)	(†)
Applied research	483	279	(†)	204	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	1,580	772	14	365	429	(†)	(†)	(†)
Of R&D	493	263	(†)	203	27	(†)	(†)	(†)
Other than R&D	1,087	509	14	162	402	(†)	(†)	(†)
Teaching	5,553	4,285	(†)	1,108	160	(†)	(†)	(†)
Production/inspection	244	(†)	(†)	81	163	(†)	(†)	(†)
Consulting	288	77	(†)	50	161	(†)	(†)	(†)
Reporting, statistical work, and computing application	490	189	(†)	214	87	(†)	(†)	(†)
Other activities	542	97	(†)	221	224	(†)	(†)	(†)
Not reported	217	81	(†)	28	108	(†)	(†)	(†)
Other social scientists	14,768	5,868	45	5,327	3,528	(†)	(†)	(†)
Research and development	1,199	570	(†)	366	263	(†)	(†)	(†)
Basic research	737	423	(†)	112	202	(†)	(†)	(†)
Applied research	375	122	(†)	222	31	(†)	(†)	(†)
Development/design	87	25	(†)	32	30	(†)	(†)	(†)
Management or administration	4,649	1,154	16	1,894	1,585	(†)	(†)	(†)
Of R&D	1,192	400	16	444	332	(†)	(†)	(†)
Other than R&D	3,457	754	(†)	1,450	1,253	(†)	(†)	(†)
Teaching	4,754	3,[illegible]53	(†)	1,092	199	(†)	(†)	(†)
Production/inspection	354	186	(†)	122	46	(†)	(†)	(†)
Consulting	1,277	107	12	993	165	(†)	(†)	(†)
Reporting, statistical work, and computing application	1,144	132	17	531	464	(†)	(†)	(†)
Other activities	829	187	(†)	274	368	(†)	(†)	(†)
Not reported	562	69	(†)	55	438	(†)	(†)	(†)

(†) No cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-5.—Number of scientists and engineers by field, age, and type of employer: 1974

Age and field	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Total, all fields	1,013,086	566,961	134,910	115,440	9,828	9,642	9,433	28,292	99,421	3,172	73,769	19,150	75,677	2,301
Under 25	1,711	932	240	240	(†)	(†)	(†)	92	208	(†)	120	15	104	(†)
25-29	99,266	55,236	12,762	10,602	708	1,452	1,185	3,149	7,860	1,032	7,691	2,027	7,906	418
30 34	176,707	94,373	27,371	23,617	2,318	1,436	2,194	5,172	15,978	567	12,590	4,172	14,151	139
35-39	171,897	92,661	25,740	22,600	1,749	1,391	1,780	4,416	17,517	288	13,093	2,539	13,774	89
40-44	159,914	90,329	20,982	17,803	1,565	1,614	1,152	4,485	16,788	333	10,798	2,753	12,054	240
45-49	153,116	90,979	16,212	13,653	1,156	1,403	1,160	4,158	14,767	343	10,347	3,397	11,385	368
50-54	122,137	70,404	12,871	11,012	907	952	909	3,421	13,543	363	8,854	2,742	8,826	204
55-59	72,218	41,236	9,730	8,411	580	739	643	1,660	8,126	216	4,918	681	4,635	373
60-64	39,600	22,459	6,211	5,003	727	481	200	1,165	3,079	30	3,278	633	2,154	391
65-69	10,670	5,156	1,971	1,773	37	161	181	136	1,090	(†)	1,634	63	384	55
70 and over	5,850	3,196	820	726	81	13	29	438	465	(1)	446	128	304	24
Physical scientists	112,079	48,656	26,372	24,084	1,834	454	1,354	4,628	11,023	163	5,333	825	13,312	413
Under 25	148	(†)	119	119	(†)	(†)	(†)	18	(†)	(†)	11	(†)	(†)	(†)
25-29	9,474	3,245	3,027	2,938	28	61	(†)	474	572	37	700	32	1,358	29
30-34	21,225	8,206	5,955	5,396	509	50	85	781	2,316	65	943	187	2,644	43
35-39	21,039	8,436	5,522	5,009	404	109	476	705	2,195	(†)	822	228	2,655	(†)
40-44	16,503	6,725	3,762	3,567	195	(†)	216	844	1,835	(†)	923	131	2,027	40
45-49	15,362	7,341	2,741	2,486	122	133	292	714	1,409	12	936	50	1,843	24
50-54	13,442	7,726	2,163	1,915	159	89	153	466	1,258	12	433	51	1,180	(†)
55-59	8,571	4,325	1,392	1,193	187	12	68	358	939	37	308	73	903	168
60-64	4,533	2,171	1,033	840	193	(†)	37	172	332	(†)	173	62	444	109
65-69	1,096	381	398	373	25	(†)	27	(†)	90	(†)	40	11	149	(†)
70 and over	686	100	260	248	12	(†)	(†)	96	77	(†)	44	(†)	109	(†)
Chemists	80,119	41,651	15,341	14,122	898	321	1,223	2,207	5,395	62	3,563	720	9,578	379
Under 25	37	(†)	37	37	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	6,973	2,853	1,961	1,872	28	61	(†)	350	140	37	520	(†)	1,083	29
30-34	13,830	6,734	3,086	2,774	287	25	60	416	1,128	(†)	558	162	1,661	25
35-39	13,981	6,547	3,101	2,951	125	25	451	189	1,064	(†)	547	228	1,854	(†)
40-44	11,401	5,530	1,092	1,978	114	(†)	204	378	965	(†)	609	107	1,492	24
45-49	11,414	6,287	1,710	1,514	63	133	279	472	645	(†)	558	37	1,402	24
50-54	10,677	7,208	1,258	1,128	53	77	113	214	796	(†)	303	51	734	(†)
55-59	6,679	3,946	899	823	76	(†)	52	62	447	25	246	73	761	168
60-64	3,842	2,100	684	557	127	(†)	37	101	177	(†)	150	62	422	109
65-69	859	369	330	305	25	(†)	27	(†)	33	(†)	40	(†)	60	(†)
70 and over	426	77	183	183	(†)	(†)	(†)	25	(†)	(†)	32	(†)	109	(†)
Physicists/astronomers	25,959	5,405	10,308	9,339	848	121	94	2,178	3,905	101	935	56	2,977	(†)
Under 25	100	(†)	82	82	(†)	(†)	(†)	18	(†)	(†)	(†)	(†)	(†)	(†)
25-29	2,038	255	975	975	(†)	(†)	(†)	112	348	(†)	104	32	212	(†)
30-34	6,294	1,183	2,831	2,596	222	13	12	329	862	65	131	(†)	881	(†)
35-39	5,778	1,492	2,227	1,903	240	84	13	419	806	(†)	213	(†)	608	(†)
40-44	4,127	984	1,503	1,435	68	(†)	12	454	644	(†)	181	(†)	349	(†)

Table B-5—Con.

Age and field	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
45-49	2,928	651	952	893	59	(†)	13	218	584	12	166	13	319	(†)
50-54	2,254	443	809	703	94	12	28	228	255	12	70	(†)	409	(†)
55-59	1,426	328	458	347	99	12	16	284	139	12	47	(†)	142	(†)
60-64	630	46	349	283	66	(†)	(†)	58	144	(†)	11	(†)	22	(†)
65-69	149	(†)	57	57	(†)	(†)	(†)	(†)	46	(†)	(†)	11	35	(†)
70 and over	235	23	65	65	(†)	(†)	(†)	58	77	(†)	12	(†)	(†)	(†)
Other physical scientists	6,001	1,600	723	623	88	12	37	243	1,723	(†)	835	49	757	34
Under 25	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)
25-29	463	137	91	91	(†)	(†)	(†)	12	84	(†)	76	(†)	63	(†)
30-34	1,101	289	38	26	(†)	12	13	36	326	(†)	254	25	102	18
35-39	1,280	397	194	155	39	(†)	12	97	325	(†)	62	(†)	193	(†)
40-44	975	211	167	154	13	(†)	(†)	12	226	(†)	133	24	186	16
45-49	1,020	403	79	79	(†)	(†)	(†)	24	180	(†)	212	(†)	122	(†)
50-54	511	75	96	84	12	(†)	12	24	207	(†)	60	(†)	37	(†)
55-59	466	51	35	23	12	(†)	(†)	12	353	(†)	15	(†)	(†)	(†)
60-64	61	25	(†)	(†)	(†)	(†)	(†)	13	11	(†)	12	(†)	(†)	(†)
65-69	88	12	11	11	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)	54	(†)
70 and over	25	(†)	12	(†)	12	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	25,816	5,428	11,886	10,047	1,607	232	106	643	3,784	133	1,759	208	1,786	83
Under 25	19	(†)	19	19	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	3,162	620	1,162	864	222	76	13	36	682	50	160	49	335	55
30-34	6,706	1,305	3,539	2,958	530	51	67	151	803	13	345	77	406	(†)
35-39	4,720	922	2,273	1,979	282	12	14	15	469	16	468	29	514	(†)
40-44	3,748	933	1,728	1,470	204	54	(†)	71	540	12	217	(†)	247	(†)
45-49	3,209	772	1,320	1,072	236	12	(†)	210	540	28	153	11	161	14
50-54	1,669	322	797	761	36	(†)	12	53	267	(†)	166	14	38	(†)
55-59	1,323	324	504	431	73	(†)	(†)	39	333	(†)	51	14	58	(†)
60-64	940	220	465	427	24	14	(†)	14	82	14	90	14	27	14
65-69	235	10	42	42	(†)	(†)	(†)	29	45	(†)	109	(†)	(†)	(†)
70 and over	85	(†)	37	24	(†)	13	(†)	25	23	(†)	(†)	(†)	(†)	(†)
Mathematicians	18,754	3,744	10,376	8,604	1,607	165	(†)	430	2,215	81	674	62	1,117	55
Under 25	19	(†)	19	19	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	2,351	475	1,001	703	222	76	(†)	(†)	396	50	103	49	222	55
30-34	5,168	838	3,297	2,716	530	51	(†)	92	567	(†)	117	(†)	257	(†)
35-39	3,416	691	1,869	1,575	282	12	(†)	15	361	16	146	13	305	(†)
40-44	2,610	650	1,380	1,176	204	(†)	(†)	58	285	(†)	54	(†)	183	(†)
45-49	2,586	622	1,192	944	236	12	(†)	186	377	15	97	(†)	97	(†)
50-54	1,027	165	642	606	36	(†)	(†)	40	120	(†)	36	(†)	24	(†)
55-59	879	223	504	431	73	(†)	(†)	27	84	(†)	12	(†)	29	(†)
60-64	516	80	424	386	24	14	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
65-69	133	(†)	24	24	(†)	(†)	(†)	(†)	(†)	(†)	109	(†)	(†)	(†)
70 and over	49	(†)	24	24	(†)	(†)	(†)	12	13	(†)	(†)	(†)	(†)	(†)

Table B-5—Con.

			Educational institutions											
Age and field	Total	Business and industry	Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Statisticians	7,062	1,684	1,510	1,443	(†)	67	106	213	1,569	52	1,085	146	669	28
Under 25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	811	145	161	161	(†)	(†)	13	36	286	(†)	57	(†)	113	(†)
30-34	1,538	467	242	242	(†)	(†)	67	59	236	13	228	77	149	(†)
35-39	1,304	231	404	404	(†)	(†)	14	(†)	108	(†)	322	16	209	(†)
40-44	1,138	283	348	294	(†)	54	(†)	13	255	12	163	(†)	64	(†)
45-49	623	150	128	128	(†)	(†)	(†)	24	163	43	56	11	64	14
50-54	642	157	155	155	(†)	(†)	12	13	147	(†)	130	14	14	(†)
55-59	444	101	(†)	(†)	(†)	(†)	(†)	12	249	(†)	39	14	29	(†)
60-64	424	140	41	41	(†)	(†)	(†)	14	70	14	90	14	27	14
65-69	102	10	18	18	(†)	(†)	(†)	29	45	(†)	(†)	(†)	(†)	(†)
70 and over	36	(†)	13	(†)	(†)	13	(†)	13	10	(†)	(†)	(†)	(†)	(†)
Computer specialists	53,082	32,311	3,281	2,918	114	249	403	1,607	3,763	259	2,694	2,173	6,480	111
Under 25	15	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	8,758	5,774	551	514	18	19	97	347	417	56	394	303	819	(†)
30-34	17,938	10,772	1,216	1,150	(†)	66	124	566	1,021	107	869	801	2,422	40
35-39	10,525	6,433	639	570	33	36	18	250	720	13	520	489	1,443	(†)
40-44	8,313	5,118	457	374	51	32	24	243	744	17	431	281	981	17
45-49	4,337	2,522	302	207	12	83	107	127	421	49	181	187	387	54
50-54	1,962	1,083	61	48	(†)	13	16	74	194	17	49	112	356	(†)
55-59	829	398	(†)	(†)	(†)	(†)	17	(†)	225	(†)	117	(†)	72	(†)
60-64	201	111	13	13	(†)	(†)	(†)	(†)	(†)	(†)	77	(†)	(†)	(†)
65-69	128	49	42	42	(†)	(†)	(†)	(†)	21	(†)	16	(†)	(†)	(†)
70 and over	76	36	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	40	(†)	(†)	(†)
Environmental scientists	27,926	11,038	5,831	5,216	349	266	(†)	502	4,934	12	2,502	631	2,438	38
Under 25	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	15	(†)	(†)
25-29	1,781	670	525	395	(†)	130	(†)	56	259	(†)	79	13	179	(†)
30-34	3,819	1,236	1,171	1,100	47	24	(†)	99	636	(†)	417	52	194	14
35-39	4,222	1,376	1,295	1,138	146	11	(†)	35	755	(†)	495	52	214	(†)
40-44	5,593	2,102	1,213	1,128	33	52	(†)	64	1,100	12	418	144	540	(†)
45-49	4,700	2,423	574	485	77	12	(†)	24	524	(†)	326	97	720	12
50-54	4,126	1,686	501	489	(†)	12	(†)	50	883	(†)	433	170	403	(†)
55-59	2,054	809	293	269	12	12	(†)	162	478	(†)	179	37	96	(†)
60-64	1,268	617	161	127	34	(†)	(†)	12	233	(†)	128	51	66	(†)
65-69	268	65	98	85	(†)	13	(†)	(†)	52	(†)	27	(†)	26	(†)
70 and over	80	54	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)	(†)	(†)	(†)	12
Earth scientists	23,441	10,567	4,718	4,126	338	254	(†)	330	3,070	12	1,954	631	2,121	38
Under 25	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	15	(†)	(†)
25-29	1,547	656	481	351	(†)	130	(†)	18	207	(†)	66	13	106	(†)
30-34	3,118	1,153	927	856	47	24	(†)	86	329	(†)	391	52	166	14
35-39	3,294	1,348	1,003	857	135	11	(†)	35	407	(†)	259	52	190	(†)
40-44	4,872	2,026	1,005	920	33	52	(†)	12	791	12	381	144	501	(†)

Table B-5–Con.

Age and field	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
45-49	4,308	2,370	529	440	77	12	(†)	12	291	(†)	289	97	708	12
50-54	3,228	1,556	339	327	(†)	12	(†)	50	521	(†)	318	170	274	(†)
55-59	1,622	722	258	246	12	(†)	(†)	117	285	(†)	119	37	84	(†)
60-64	1,161	617	150	116	34	(†)	(†)	(†)	173	(†)	104	51	66	(†)
65-69	196	65	26	13	(†)	13	(†)	(†)	52	(†)	27	(†)	26	(†)
70 and over	80	54	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)	(†)	(†)	(†)	12
Oceanographers	1,387	37	529	518	11	(†)	(†)	22	436	(†)	290	(†)	73	(†)
Under 25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	128	(†)	30	30	(†)	(†)	(†)	(†)	12	(†)	13	(†)	73	(†)
30-34	331	(†)	181	181	(†)	(†)	(†)	13	125	(†)	12	(†)	(†)	(†)
35-39	464	(†)	137	126	11	(†)	(†)	(†)	117	(†)	210	(†)	(†)	(†)
40-44	106	25	55	55	(†)	(†)	(†)	(†)	26	(†)	(†)	(†)	(†)	(†)
45-49	109	12	21	21	(†)	(†)	(†)	(†)	39	(†)	37	(†)	(†)	(†)
50-54	111	(†)	11	11	(†)	(†)	(†)	(†)	82	(†)	18	(†)	(†)	(†)
55-59	31	(†)	11	11	(†)	(†)	(†)	9	11	(†)	(†)	(†)	(†)	(†)
60-64	35	(†)	11	11	(†)	(†)	(†)	(†)	24	(†)	(†)	(†)	(†)	(†)
65-69	72	(†)	72	72	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
70 and over	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	3,098	434	584	572	(†)	12	(†)	150	1,428	(†)	258	(†)	244	(†)
Under 25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	106	14	14	14	(†)	(†)	(†)	38	40	(†)	(†)	(†)	(†)	(†)
30-34	370	83	63	63	(†)	(†)	(†)	(†)	182	(†)	14	(†)	28	(†)
35-39	464	28	155	155	(†)	(†)	(†)	(†)	231	(†)	26	(†)	24	(†)
40-44	615	51	153	153	(†)	(†)	(†)	52	283	(†)	37	(†)	39	(†)
45-49	283	41	24	24	(†)	(†)	(†)	12	194	(†)	(†)	(†)	12	(†)
50-54	787	130	151	151	(†)	(†)	(†)	(†)	280	(†)	97	(†)	129	(†)
55-59	401	87	24	12	(†)	12	(†)	36	182	(†)	60	(†)	12	(†)
60-64	72	(†)	(†)	(†)	(†)	(†)	(†)	12	36	(†)	24	(†)	(†)	(†)
65-69	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
70 and over	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	647,767	449,441	20,235	17,005	1,891	1,339	566	13,427	56,713	2,429	46,933	14,010	43,241	772
Under 25	1,317	887	(†)	(†)	(†)	(†)	(†)	74	197	(†)	55	(†)	104	(†)
25-29	60,758	42,850	1,538	1,317	137	84	96	978	4,527	872	4,317	1,535	3,927	118
30-34	98,511	68,680	2,644	2,377	241	26	98	2,222	8,153	312	6,514	2,705	7,154	29
35-39	106,517	72,280	4,026	3,608	226	192	180	2,366	9,772	243	8,395	1,497	7,669	89
40-44	103,461	72,797	2,916	2,427	320	169	48	1,981	8,910	281	7,320	2,093	7,031	84
45-49	106,241	75,017	2,588	1,999	299	290	39	1,941	9,250	231	7,248	2,870	6,928	129
50-54	84,544	57,122	2,308	1,872	286	150	37	2,045	8,686	311	5,997	2,232	5,693	113
55-59	49,098	34,032	2,333	2,069	84	180	38	857	4,505	179	3,360	510	3,130	155
60-64	26,447	18,442	1,323	950	217	156	17	580	1,884	(†)	2,311	490	1,400	(†)
65-69	6,814	4,426	417	313	12	92	13	95	498	(†)	1,165	14	131	55
70 and over	4,059	2,908	142	73	69	(†)	(†)	288	332	(†)	251	64	74	(†)

Table B-5—Con.

Age and field	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Life scientists	69,958	11,410	29,640	26,285	2,310	1,045	1,647	2,077	13,139	132	6,937	375	4,319	282
Under 25	167	30	72	72	(†)	(†)	(†)	(†)	11	(†)	54	(†)	(†)	(†)
25-29	6,303	987	2,146	1,639	165	342	183	258	838	17	918	78	813	65
30-34	12,732	2,512	5,186	4,259	710	217	455	325	2,073	58	1,486	78	559	(†)
35-39	12,643	1,949	5,406	4,878	380	148	351	287	2,677	(†)	1,177	26	770	(†)
40-44	11,765	1,465	5,471	4,793	530	148	188	420	2,577	11	828	51	728	26
45-49	9,757	1,585	4,024	3,885	127	12	150	262	1,956	23	889	63	770	35
50-54	7,175	1,185	2,827	2,518	239	70	187	205	1,471	23	801	27	438	11
55-59	5,415	1,024	2,494	2,347	72	75	91	120	1.015	(†)	484	11	165	11
60-64	2,888	591	1,387	1,267	87	33	14	188	338	(†)	237	(†)	39	134
65-69	817	74	446	446	(†)	(†)	28	12	183	(†)	24	25	25	(†)
70 and over	296	48	181	181	(†)	(†)	(†)	(†)	(†)	(†)	39	16	12	(†)
Biological scientists	33,050	3,585	18,357	15,784	1,798	775	493	1,047	3,612	110	2,930	230	2,554	132
Under 25	98	30	14	14	(†)	(†)	(†)	(†)	(†)	(†)	54	(†)	(†)	(†)
25-29	3,541	410	1,720	1,226	165	329	37	49	350	17	286	64	608	(†)
30-34	7,060	888	3,772	2,967	669	136	121	239	724	58	853	66	339	(†)
35-39	5,756	656	3,262	2,906	246	110	101	136	653	(†)	449	13	486	(†)
40-44	5,081	221	3,186	2,745	330	111	49	348	631	(†)	366	24	256	(†)
45-49	4,608	414	2,565	2,438	127	(†)	58	102	534	23	401	52	436	23
50-54	2,699	425	1,312	1,085	202	25	127	77	279	12	243	(†)	224	(†)
55-59	2,312	382	1,343	1,243	36	64	(†)	59	242	(†)	134	11	141	(†)
60-64	1,336	145	821	798	23	(†)	(†)	25	66	(†)	131	(†)	39	109
65-69	419	(†)	261	261	(†)	(†)	(†)	12	133	(†)	(†)	(†)	13	(†)
70 and over	140	14	101	101	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	12	(†)
Agricultural scientists	26,940	7,259	5,583	5,330	184	69	(†)	448	9,013	22	3,478	75	990	72
Under 25	69	(†)	58	58	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)	(†)	(†)
25-29	2,049	577	243	230	(†)	13	(†)	145	451	(†)	528	(†)	105	(†)
30-34	4,050	1,508	542	489	25	28	(†)	35	1,296	(†)	590	12	67	(†)
35-39	5,071	1,231	938	898	40	(†)	(†)	25	1,948	(†)	691	(†)	238	(†)
40-44	4,883	1,233	1,091	972	119	(†)	(†)	35	1,878	11	337	11	274	13
45-49	4,057	1,135	836	836	(†)	(†)	(†)	119	1,303	(†)	418	11	223	12
50-54	3,225	637	809	792	(†)	17	(†)	76	1,092	11	518	(†)	71	11
55-59	2,170	447	701	690	(†)	11	(†)	13	724	(†)	262	(†)	12	11
60-64	958	383	195	195	(†)	(†)	(†)	(†)	260	(†)	95	(†)	(†)	25
65-69	294	74	132	132	(†)	(†)	(†)	(†)	50	(†)	13	25	(†)	(†)
70 and over	114	34	38	38	(†)	(†)	(†)	(†)	(†)	(†)	26	16	(†)	(†)
Medical scientists	9,968	566	5,700	5,171	328	201	1,154	582	514	(†)	529	70	775	78
Under 25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	713	(†)	183	183	(†)	(†)	146	64	37	(†)	104	14	100	65
30-34	1,622	116	872	803	16	53	334	51	53	(†)	43	(†)	153	(†)
35-39	1,816	62	1,206	1,074	94	38	250	126	76	(†)	37	13	46	(†)
40-44	1,801	11	1,194	1,076	81	37	139	37	68	(†)	125	16	198	13

Table B-5—Con.

Age and field	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
45-49	1,092	36	623	611	(†)	12	92	41	119	(†)	70	(†)	111	(†)
50-54	1,251	123	706	641	37	28	60	52	100	(†)	40	27	143	(†)
55-59	933	195	450	414	36	(†)	91	48	49	(†)	88	(†)	12	(†)
60-64	594	23	371	274	64	33	14	163	12	(†)	11	(†)	(†)	(†)
65-69	104	(†)	53	53	(†)	(†)	28	(†)	(†)	(†)	11	(†)	12	(†)
70 and over	42	(†)	42	42	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	32,819	2,283	17,007	10,883	681	5,443	4,905	2,447	994	28	2,387	225	2,428	115
Under 25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	4,479	347	2,259	1,602	105	552	767	421	72	(†)	415	(†)	198	(†)
30-34	6,703	415	3,463	2,400	133	930	1,249	311	168	12	601	78	393	13
35-39	5,047	224	2,875	1,973	65	837	683	395	108	16	383	40	323	(†)
40-44	4,793	343	2,538	1,396	52	1,090	662	444	248	(†)	198	(†)	360	(†)
45-49	4,762	566	2,287	1,315	180	792	485	495	156	(†)	254	27	440	52
50-54	3,599	207	1,716	1,141	50	525	455	287	166	(†)	333	38	397	(†)
55-59	1,849	65	1,067	593	68	406	380	38	76	(†)	52	(†)	147	24
60-64	948	39	588	305	28	255	82	40	(†)	(†)	82	(†)	91	26
65-69	400	27	154	98	(†)	56	113	(†)	(†)	(†)	40	13	53	(†)
70 and over	239	50	60	60	(†)	(†)	29	16	(†)	(†)	29	29	26	(†)
Social scientists	43,639	6,394	20,658	19,002	1,042	614	452	2,961	5,071	16	5,224	703	1,673	487
Under 25	30	(†)	30	30	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	4,551	743	1,554	1,333	33	188	29	579	493	(†)	708	17	277	151
30-34	9,073	1,247	4,197	3,977	148	72	116	717	808	(†)	1,415	194	379	(†)
35-39	7,184	1,041	3,704	3,445	213	46	58	363	821	(†)	833	178	186	(†)
40-44	5,738	846	2,897	2,648	180	69	14	418	834	(†)	463	53	140	73
45-49	4,748	753	2,376	2,204	103	69	87	385	511	(†)	360	92	136	48
50-54	5,620	1,073	2,498	2,268	137	93	49	241	618	(†)	642	98	321	80
55-59	3,079	259	1,647	509	84	54	49	86	556	(†)	367	36	64	15
60-64	2,375	308	1,241	1,074	144	23	50	159	210	16	180	16	87	108
65-69	912	124	374	374	(†)	(†)	(†)	(†)	201	(†)	213	(†)	(†)	(†)
70 and over	329	(†)	140	140	(†)	(†)	(†)	13	19	(†)	43	19	83	12
Economists	18,670	4,434	6,590	6,263	280	47	31	726	3,538	(†)	1,719	582	960	90
Under 25	15	(†)	15	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	1,682	571	405	386	19	(†)	(†)	118	251	(†)	238	17	82	(†)
30-34	3,462	772	1,174	1,155	19	(†)	31	159	559	(†)	332	136	299	(†)
35-39	2,840	401	1,118	1,082	19	17	(†)	188	630	(†)	226	178	99	(†)
40-44	2,519	643	941	833	92	16	(†)	16	545	(†)	248	36	90	(†)
45-49	2,006	653	619	569	50	(†)	(†)	63	331	(†)	113	82	97	48
50-54	2,687	846	784	725	45	14	(†)	49	555	(†)	223	62	153	15
55-59	1,274	116	613	589	24	(†)	(†)	16	342	(†)	121	36	15	15
60-64	1,322	308	556	544	12	(†)	(†)	104	131	(†)	120	16	87	(†)
65-69	590	124	236	236	(†)	(†)	(†)	(†)	175	(†)	55	(†)	(†)	(†)
70 and over	273	(†)	129	129	(†)	(†)	(†)	13	19	(†)	43	19	38	12

Table B-5–Con.

Age and field	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Sociologists/ Anthropologists	10,201	802	7,271	6,830	356	85	53	653	411	(†)	683	10	169	149
Under 25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	1,097	104	535	492	14	29	(†)	204	227	(†)	27	(†)	(†)	(†)
30-34	2,384	178	1,684	1,613	57	14	(†)	301	14	(†)	191	(†)	16	(†)
35-39	1,829	281	1,240	1,101	124	15	16	(†)	16	(†)	202	(†)	74	(†)
40-44	1,178	16	1,011	999	12	(†)	14	74	27	(†)	(†)	(†)	12	24
45-49	1,145	(†)	975	923	40	12	13	20	62	(†)	65	10	(†)	(†)
50-54	1,387	210	920	854	51	15	10	(†)	38	(†)	176	(†)	16	17
55-59	621	13	497	450	47	(†)	(†)	54	(†)	(†)	22	(†)	35	(†)
60-64	478	(†)	354	343	11	(†)	(†)	(†)	16	(†)	(†)	(†)	(†)	108
65-69	55	(†)	44	44	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)	(†)	(†)
70 and over	27	(†)	11	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16	(†)
Other social scientists .	14,768	1,158	6,797	5,909	406	482	368	1,582	1,122	16	2,822	111	544	248
Under 25	15	(†)	15	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	1,772	68	614	455	(†)	159	29	257	15	(†)	443	(†)	195	151
30-34	3,227	297	1,339	1,209	72	58	85	257	235	(†)	892	58	64	(†)
35-39	2,515	359	1,346	1,262	70	14	42	175	175	(†)	405	(†)	13	(†)
40-44	2,041	187	945	816	76	53	(†)	328	262	(†)	215	17	38	49
45-49	1,597	100	782	712	13	57	74	302	118	(†)	182	(†)	39	(†)
50-54	1,546	17	794	689	41	64	39	192	25	(†)	243	36	152	48
55-59	1,184	130	537	470	13	54	49	16	214	(†)	224	(†)	14	(†)
60-64	575	(†)	331	187	121	23	50	55	63	16	60	(†)	(†)	(†)
65-69	267	(†)	94	94	(†)	(†)	(†)	(†)	15	(†)	158	(†)	(†)	(†)
70 and over	29	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	29	(†)

Table B-6.—Number of scientists and engineers by field, primary work activity, and type of employer: 1974

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ Clinic	Nonprofit organization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Total, all fields	1,013,086	566,961	134,910	115,440	9,828	9,642	9,433	28,292	99,421	3,172	73,769	19,150	75,677	2301
Research and development	302,776	185,669	27,286	26,604	109	573	1,743	10,785	31,302	620	14,104	4,551	26,716	(†)
Basic research	41,229	4,919	18,790	18,264	84	442	1,030	3,478	6,873	74	2,144	236	3,685	(†)
Applied research	53,926	20,086	6,837	6,707	25	105	685	3,907	10,526	135	3,753	576	7,421	(†)
Development/design	207,621	160,664	1,659	1,633	(†)	26	28	3,400	13,903	411	8,207	3,739	15,610	(†)
Management or administration	276,519	165,092	15,039	13,067	771	1,201	1,843	7,923	34,226	786	26,282	5,544	19,784	(†)
Of R&D	102,707	57,464	5,909	5,467	37	405	568	4,475	16,009	294	6,392	1,163	10,433	(†)
Other than R&D	173,812	107,628	9,130	7,600	734	796	1,275	3,448	18,217	492	19,890	4,381	9,351	(†)
Teaching	84,599	2,404	78,929	67,632	8,637	2,660	509	554	555	79	885	179	444	61
Consulting	68,332	38,193	5,839	1,819	51	3,969	3,963	2,429	4,672	116	5,414	1,774	5,920	12
Production/inspection	128,150	92,531	1,057	584	109	364	157	1,624	9,158	807	9,617	3,690	9,509	(†)
Reporting, statistical work, and computing application	90,676	48,833	3,514	3,112	(†)	402	761	3,369	12,798	390	9,624	2,414	8,959	14
Other activities	43,048	24,179	1,478	1,133	49	296	352	1,071	5,400	362	6,197	681	3,328	(†)
Not reported	18,986	10,060	1,768	1,489	102	177	105	537	1,310	12	1,646	317	1,017	2,214
Physical scientists	112,079	48,656	26,372	24,084	1,834	454	1,354	4,628	11,023	163	5,333	825	13,312	413
Research and development	49,448	20,841	9,154	9,019	51	84	618	2,910	6,572	(†)	1,420	387	7,546	(†)
Basic research	18,828	2,720	7,921	7,811	26	84	420	1,712	2,743	(†)	663	117	2,532	(†)
Applied research	16,585	7,696	1,104	1,079	25	(†)	185	1,026	2,865	(†)	605	149	2,955	(†)
Development/design	14,035	10,425	129	129	(†)	(†)	13	172	964	(†)	152	121	2,059	(†)
Management or administration	25,282	15,646	1,835	1,666	50	119	358	1,096	2,337	37	912	200	2,861	(†)
Of R&D	16,955	10,618	798	670	(†)	119	225	919	1,656	37	447	75	2.189	(†)
Other than R&D	8,327	5,028	1,046	996	50	(†)	133	177	681	(†)	465	125	672	(†)
Teaching	14,786	181	14,382	12,448	1,695	239	(†)	39	33	65	40	(†)	46	(†)
Consulting	2,637	1,230	61	61	(†)	(†)	244	30	215	(†)	224	(†)	633	(†)
Production/inspection	11,702	7,814	130	130	(†)	(†)	65	144	703	49	1,271	162	1,364	(†)
Reporting, statistical work, and computing application	2,835	807	263	263	(†)	(†)	(†)	253	703	12	382	13	402	(†)
Other activities	2,846	1,061	232	207	25	(†)	29	72	364	(†)	885	(†)	203	(†)
Not reported	2,543	1,076	315	290	13	12	40	84	96	(†)	199	63	257	413
Chemists	80,119	41,651	15,341	14,122	898	321	1,223	2,207	5,395	62	3,563	720	9,578	379
Research and development	35,204	17,865	5,413	5,332	25	56	593	1,533	3,351	(†)	671	319	5,459	(†)
Basic research	12,152	2,377	4,594	4,538	(†)	56	420	963	1,589	(†)	331	103	1,775	(†)
Applied research	11,355	6,418	743	718	25	(†)	173	468	1,317	(†)	249	106	1,881	(†)
Development/design	11,697	9,070	76	76	(†)	(†)	(†)	102	445	(†)	91	110	1,803	(†)
Management or administration	18,386	12,900	1,149	1,015	27	107	333	470	952	25	460	163	1,934	(†)
Of R&D	12,316	8,943	477	370	(†)	107	213	317	646	25	175	50	1,470	(†)
Other than R&D	6,070	3,957	672	645	27	(†)	120	153	306	(†)	285	113	464	(†)
Teaching	8,582	181	8,290	7,300	832	158	(†)	(†)	25	(†)	40	(†)	46	(†)
Consulting	1,573	804	(†)	(†)	(†)	(†)	208	30	61	(†)	91	(†)	379	(†)
Production/inspection	10,648	7,344	81	81	(†)	(†)	65	71	526	37	1,189	162	1,173	(†)
Reporting, statistical work, and computing application	1,282	548	106	106	(†)	(†)	(†)	68	166	(†)	128	13	253	(†)
Other activities	2,398	1,010	164	150	14	(†)	(†)	23	264	(†)	785	(†)	152	(†)
Not reported	2,046	999	138	138	(†)	(†)	24	12	50	(†)	199	63	182	379

Table B-6—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ Clinic	Non-profit organ-ization	Federal government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Physicists/astronomers	25,959	5,405	10,308	9,339	848	121	94	2,178	3,905	101	935	56	2,977	(†)
Research and Development . .	11,804	2,314	3,554	3,500	26	28	25	1,210	2,617	(†)	520	56	1,508	(†)
Basic research	5,779	267	3,176	3,122	26	28	(†)	630	1,023	(†)	231	14	438	(†)
Applied research	4,144	878	336	336	(†)	(†)	12	510	1,201	(†)	265	31	911	(†)
Development/design	1,881	1,169	42	42	(†)	(†)	13	70	393	(†)	24	11	159	(†)
Management or Administration	5,337	2,033	663	628	23	12	12	626	835	12	292	(†)	864	(†)
Of R&D	3,623	1,160	301	289	(†)	12	12	602	720	12	148	(†)	668	(†)
Other than R&D	1,714	873	362	339	23	(†)	(†)	24	115	(†)	144	(†)	196	(†)
Teaching	5,744	(†)	5,667	4,823	775	69	(†)	12	(†)	65	(†)	(†)	(†)	(†)
Consulting	646	289	12	12	(†)	(†)	12	(†)	89	(†)	14	(†)	230	(†)
Production/inspection	790	421	37	37	(†)	(†)	(†)	73	75	12	23	(†)	149	(†)
Reporting, statistical work, and computing application . .	976	259	157	157	(†)	(†)	(†)	161	226	12	37	(†)	124	(†)
Other activities	221	12	41	30	11	(†)	29	24	27	(†)	49	(†)	39	(†)
Not reported	441	77	177	152	13	12	16	72	36	(†)	(†)	(†)	63	(†)
Other physical scientists	6,001	1,600	723	623	88	12	37	243	1,723	(†)	835	49	757	34
Research and development . .	2,440	662	187	187	(†)	(†)	(†)	167	604	(†)	229	12	579	(†)
Basic research	897	76	151	151	(†)	(†)	(†)	119	131	(†)	101	(†)	319	(†)
Applied research	1,086	400	25	25	(†)	(†)	(†)	48	347	(†)	91	12	163	(†)
Development/design	457	186	11	11	(†)	(†)	(†)	(†)	126	(†)	37	(†)	97	(†)
Management or administration	1,559	713	23	23	(†)	(†)	13	(†)	550	(†)	160	37	63	(†)
Of R&D	1,016	515	11	11	(†)	(†)	(†)	(†)	290	(†)	124	25	51	(†)
Other than R&D	543	198	12	12	(†)	(†)	13	(†)	260	(†)	36	12	12	(†)
Teaching	460	(†)	425	325	88	12	(†)	27	8	(†)	(†)	(†)	(†)	(†)
Consulting	418	137	49	49	(†)	(†)	24	(†)	65	(†)	119	(†)	24	(†)
Production/inspection	264	49	12	12	(†)	(†)	(†)		102	(†)	59	(†)	42	(†)
Reporting, statistical work, and computing application . .	577	(†)	(†)	(†)	(†)	(†)	(†)	24	311	(†)	217	(†)	25	(†)
Other activities	227	39	27	27	(†)	(†)	(†)	25	73	(†)	51	(†)	12	(†)
Not reported	56	(†)	(†)	(†)	(†)	(†)	(†)	(†)	10	(†)	(†)	(†)	12	34
Mathematical scientists	25,816	5,428	11,886	10,047	1,607	232	106	643	3,784	133	1,759	208	1,786	83
Research and development . .	3,284	342	1,284	1,284	(†)	(†)	(†)	203	738	16	218	13	470	(†)
Basic research	1,652	52	1,146	1,146	(†)	(†)	(†)	12	164	(†)	49	(†)	229	(†)
Applied research	1,182	153	138	138	(†)	(†)	(†)	162	433	16	169	(†)	111	(†)
Development/design	450	137	(†)	(†)	(†)	(†)	(†)	29	141	(†)	(†)	13	130	(†)
Management or administration	4,738	2,343	723	656	53	14	12	217	854	31	151	13	394	(†)
Of R&D	2,049	883	176	162	(†)	14	(†)	139	519	18	67	13	234	(†)
Other than R&D	2,689	1,460	547	494	53	(†)	12	78	335	13	84	(†)	160	(†)
Teaching	9,493	75	9,304	7,611	1,554	139	(†)	24	26	(†)	64	(†)	(†)	(†)
Consulting	588	182	60	60	(†)	(†)	(†)	(†)	166	(†)	38	14	128	(†)
Production/inspection	1,009	661	(†)	(†)	(†)	(†)	(†)	(†)	65	32	222	(†)	29	(†)
Reporting, statistical work, and computing application . .	5,885	1,525	363	296	(†)	67	94	199	1,859	42	1,002	168	619	14
Other activities	289	110	12	12	(†)	(†)	(†)	(†)	64	(†)	64	(†)	39	(†)
Not reported	530	190	140	128	(†)	12	(†)	(†)	12	12	(†)	(†)	107	69

Table B-6–Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ Clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Mathematicians	18,754	3,744	10,376	8,604	1,607	165	(†)	430	2,215	81	674	62	1,117	55
Research and development	2,803	317	1,152	1,152	(†)	(†)	(†)	160	670	16	172	13	303	(†)
Basic research	1,488	39	1,103	1,103	(†)	(†)	(†)	12	151	(†)	49	(†)	134	(†)
Applied research	920	141	49	49	(†)	(†)	(†)	131	391	16	123	(†)	69	(†)
Development/design	395	137	(†)	(†)	(†)	(†)	(†)	17	128	(†)	(†)	13	100	(†)
Management or administration	3,613	1,923	599	532	53	14	(†)	178	488	31	42	13	339	(†)
Of R&D	1,508	669	151	137	(†)	14	(†)	100	354	18	12	13	191	(†)
Other than R&D	2,105	1,254	448	395	53	(†)	(†)	78	134	13	30	(†)	148	(†)
Teaching	8,566	75	8,441	6,748	1,554	139	(†)	24	26	(†)	(†)	(†)	(†)	(†)
Consulting	352	106	(†)	(†)	(†)	(†)	(†)	(†)	105	(†)	25	(†)	116	(†)
Production/inspection	723	458	(†)	(†)	(†)	(†)	(†)	(†)	47	19	170	(†)	29	(†)
Reporting, statistical work, and computing application	2,186	649	32	32	(†)	(†)	(†)	68	803	15	265	36	318	(†)
Other activities	114	26	12	12	(†)	(†)	(†)	(†)	64	(†)	(†)	(†)	12	(†)
Not reported	397	190	140	128	(†)	12	(†)	(†)	12	(†)	(†)	(†)	(†)	55
Statisticians	7,062	1,684	1,510	1,443	(†)	67	106	213	1,569	52	1,085	146	669	28
Research and development	481	25	132	132	(†)	(†)	(†)	43	68	(†)	46	(†)	167	(†)
Basic research	164	13	43	43	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	95	(†)
Applied research	262	12	89	89	(†)	(†)	(†)	31	42	(†)	46	(†)	42	(†)
Development/design	55	(†)	(†)	(†)	(†)	(†)	(†)	12	13	(†)	(†)	(†)	30	(†)
Management or administration	1,125	420	124	124	(†)	(†)	12	39	366	(†)	109	(†)	55	(†)
Of R&D	541	214	25	25	(†)	(†)	(†)	39	165	(†)	55	(†)	43	(†)
Other than R&D	584	206	99	99	(†)	(†)	12	(†)	201	(†)	54	(†)	12	(†)
Teaching	927	(†)	863	863	(†)	(†)	(†)	(†)	(†)	(†)	64	(†)	(†)	(†)
Consulting	236	76	60	60	(†)	(†)	(†)	(†)	61	(†)	13	14	12	(†)
Production/inspection	286	203	(†)	(†)	(†)	(†)	(†)	(†)	18	13	52	(†)	(†)	(†)
Reporting, statistical work, and computing application	3,699	876	331	264	(†)	67	94	131	1,056	27	737	132	301	14
Other activities	175	84	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	64	(†)	27	(†)
Not reported	133	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	107	14
Computer specialists	53,082	32,311	3,281	2,918	114	249	403	1,607	3,763	259	2,694	2,173	6,480	111
Research and development	3,136	2,234	206	206	(†)	(†)	(†)	48	116	33	99	191	209	(†)
Basic research	244	37	102	102	(†)	(†)	(†)	35	12	(†)	(†)	(†)	58	(†)
Applied research	406	240	77	77	(†)	(†)	(†)	(†)	30	(†)	45	(†)	14	(†)
Development/design	2,486	1,957	27	27	(†)	(†)	(†)	13	74	33	54	191	137	(†)
Management or administration	6,672	3,864	429	370	13	46	38	147	485	17	470	158	1,064	(†)
Of R&D	2,138	1,204	98	65	(†)	33	22	82	181	(†)	103	33	415	(†)
Other than R&D	4,534	2,660	331	305	13	13	16	65	304	17	367	125	649	(†)
Teaching	1,723	603	1,035	894	86	55	(†)	17	17	(†)	(†)	51	(†)	(†)
Consulting	3,412	1,902	99	80	(†)	19	18	118	126	41	93	269	746	(†)
Production/inspection	1,371	821	13	(†)	(†)	13	(†)	144	124	(†)	77	51	141	(†)
Reporting, statistical work, and computing application	35,252	22,073	1,415	1,299	(†)	116	347	1,133	2,820	168	1,955	1,348	3,993	(†)
Other activities	1,096	629	56	56	(†)	(†)	(†)	(†)	59	(†)	(†)	89	263	(†)
Not reported	420	185	28	13	15	(†)	(†)	(†)	16	(†)	(†)	16	64	111

Table B-6–Con.

Field and primary work activity	Total	Business and industry	Educational institutions: Total	4-year college/ university	2-year college	Other	Hospital/ Clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Environmental scientists	27,926	11,038	5,831	5,216	349	266	(†)	502	4,934	12	2,502	631	2,438	38
Research and development	7,407	2,386	1,487	1,387	(†)	100	(†)	105	1,946	(†)	723	88	672	(†)
Basic research	2,806	374	945	870	(†)	75	(†)	91	949	(†)	345	26	76	(†)
Applied research	3,761	1,430	465	453	(†)	12	(†)	14	900	(†)	355	49	548	(†)
Development/design	840	582	77	64	(†)	13	(†)	(†)	97	(†)	23	13	48	(†)
Management or administration	6,525	3,058	656	656	(†)	(†)	(†)	299	1,001	(†)	733	148	630	(†)
Of R&D	2,373	901	423	423	(†)	(†)	(†)	159	476	(†)	279	51	84	(†)
Other than R&D	4,152	2,157	233	233	(†)	(†)	(†)	140	525	(†)	454	97	546	(†)
Teaching	3,466	13	3,430	2,927	337	166	(†)	(†)	(†)	(†)	23	(†)	(†)	(†)
Consulting	2,856	1,966	10	10	(†)	(†)	(†)	(†)	269	(†)	165	157	289	(†)
Production/inspection	2,092	1,234	11	11	(†)	(†)	(†)	(†)	468	12	253	63	51	(†)
Reporting, statistical work, and computing application	2,143	748	113	113	(†)	(†)	(†)	62	694	(†)	238	38	250	(†)
Other activities	2,753	1,382	23	11	12	(†)	(†)	24	394	(†)	322	100	508	(†)
Not reported	684	251	101	101	(†)	(†)	(†)	12	162	(†)	45	37	38	38
Earth scientists	23,441	10,567	4,718	4,126	338	254	(†)	330	3,070	12	1,954	631	2,121	38
Research and development	5,732	2,282	949	849	(†)	100	(†)	44	1,294	(†)	513	88	562	(†)
Basic research	2 252	374	623	548	(†)	75	(†)	30	836	(†)	287	26	76	(†)
Applied research	2,733	1,326	297	285	(†)	12	(†)	14	397	(†)	212	49	438	(†)
Development/design	747	582	29	16	(†)	13	(†)	(†)	61	(†)	14	13	48	(†)
Management or administration	5,569	2,957	424	424	(†)	(†)	(†)	262	531	(†)	617	148	630	(†)
Of R&D	1,863	889	253	253	(†)	(†)	(†)	122	263	(†)	201	51	84	(†)
Other than R&D	3,706	2,068	171	171	(†)	(†)	(†)	140	268	(†)	416	97	546	(†)
Teaching	3,162	13	3,126	2,646	326	154	(†)	(†)	(†)	(†)	23	(†)	(†)	(†)
Consulting	2,634	1,837	(†)	(†)	(†)	(†)	(†)	(†)	248	(†)	140	157	252	(†)
Production/inspection	1,755	1,183	11	11	(†)	(†)	(†)	(†)	234	12	201	63	51	(†)
Reporting, statistical work, and computing application	1,645	700	100	100	(†)	(†)	(†)	(†)	432	(†)	165	38	210	(†)
Other activities	2,309	1,356	23	11	12	(†)	(†)	12	190	(†)	250	100	378	(†)
Not reported	635	239	85	85	(†)	(†)	(†)	12	141	(†)	45	37	38	38
Oceanographers	1,387	37	529	518	11	(†)	(†)	22	436	(†)	290	(†)	73	(†)
Research and development	769	25	252	252	(†)	(†)	(†)	9	262	(†)	148	(†)	73	(†)
Basic research	324	(†)	194	194	(†)	(†)	(†)	9	63	(†)	58	(†)	(†)	(†)
Applied research	400	25	58	58	(†)	(†)	(†)	(†)	163	(†)	81	(†)	73	(†)
Development/design	45	(†)	(†)	(†)	(†)	(†)	(†)	(†)	36	(†)	9	(†)	(†)	(†)
Management or administration	331	(†)	169	169	(†)	(†)	(†)	13	70	(†)	79	(†)	(†)	(†)
Of R&D	286	(†)	159	159	(†)	(†)	(†)	13	48	(†)	66	(†)	(†)	(†)
Other than R&D	45	(†)	10	10	(†)	(†)	(†)	(†)	22	(†)	13	(†)	(†)	(†)
Teaching	108	(†)	108	97	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	22	(†)	(†)	(†)	(†)	(†)	(†)	(†)	9	(†)	13	(†)	(†)	(†)
Production/inspection	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)
Reporting, statistical work, and computing application	84	(†)	(†)	(†)	(†)	(†)	(†)	(†)	47	(†)	37	(†)	(†)	(†)
Other activities	39	(†)	(†)	(†)	(†)	(†)	(†)	(†)	39	(†)	(†)	(†)	(†)	(†)
Not reported	21	12	(†)	(†)	(†)	(†)	(†)	(†)	9	(†)	(†)	(†)	(†)	(†)

Table B-6 Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ Clinic	Non-profit organization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Atmospheric scientists	3,098	434	582	572	(†)	12	(†)	150	1,428	(†)	258	(†)	244	(†)
Research and development	906	79	286	286	(†)	(†)	(†)	52	390	(†)	62	(†)	37	(†)
Basic research	230	(†)	128	128	(†)	(†)	(†)	52	50	(†)	(†)	(†)	(†)	(†)
Applied research	628	79	110	110	(†)	(†)	(†)	(†)	340	(†)	62	(†)	37	(†)
Development/design	48	(†)	48	48	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	625	101	63	63	(†)	(†)	(†)	24	400	(†)	37	(†)	(†)	(†)
Of R&D	224	12	11	11	(†)	(†)	(†)	24	165	(†)	12	(†)	(†)	(†)
Other than R&D	401	89	52	52	(†)	(†)	(†)	(†)	235	(†)	25	(†)	(†)	(†)
Teaching	196	(†)	196	184	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	200	129	10	10	(†)	(†)	(†)	(†)	12	(†)	12	(†)	37	(†)
Production/inspection	324	51	(†)	(†)	(†)	(†)	(†)	(†)	234	(†)	39	(†)	(†)	(†)
Reporting, statistical work, and computing application	414	48	13	13	(†)	(†)	(†)	62	215	(†)	36	(†)	40	(†)
Other activities	405	26	(†)	(†)	(†)	(†)	(†)	12	165	(†)	72	(†)	130	(†)
Not reported	28	(†)	16	16	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Engineers	647,767	449,441	20,235	17,005	1,891	1,339	566	13,427	56,713	2,429	46,933	14,010	43,241	772
Research and development	211,758	157,186	3,565	3,381	58	126	(†)	5,238	16,413	474	9,124	3,689	16,069	(†)
Basic research	3,879	1,487	924	807	58	59	(†)	366	582	(†)	181	25	314	(†)
Applied research	20,176	9,201	1,327	1,260	(†)	67	(†)	1,789	3,536	96	1,029	294	2,904	(†)
Development/design	187,703	146,498	1,314	1,314	(†)	(†)	(†)	3,083	12,295	378	7,914	3,370	12,851	(†)
Management or administration	197,798	131,553	2,955	2,595	97	263	136	3,690	22,730	639	19,005	4,611	12,479	(†)
Of R&D	66,800	41,787	1,191	1,191	(†)	(†)	(†)	1,953	10,705	239	3,851	834	6,240	(†)
Other than RD&D	130,998	89,766	1,764	1,404	97	263	136	1,737	12,025	400	15,154	3,777	6,239	(†)
Teaching	14,359	1,438	12,088	9,873	1,712	503	(†)	170	156	14	103	114	276	(†)
Consulting	40,752	31,235	223	124	(†)	99	136	1,206	2,603	75	2,332	1,133	1,809	(†)
Production/inspection	104,878	77,691	579	296	(†)	283	66	1,261	6,630	697	7,548	3,216	7,190	(†)
Reporting, statistical work, and computing application	36,537	22,542	288	272	(†)	16	150	1,227	4,284	168	4,303	694	2,881	(†)
Other activities	29,965	19,695	246	234	(†)	12	41	533	3,071	362	3,556	371	2,090	(†)
Not reported	11,720	8,101	291	230	24	37	37	102	826	(†)	962	182	447	772
Life scientists	69,958	11,410	29,640	26,285	2,310	1,045	1,647	2,077	13,139	132	6,937	375	4,319	282
Research and development	19,427	2,014	8,644	8,489	(†)	155	835	957	3,807	81	1,633	73	1,383	(†)
Basic research	10,285	225	5,812	5,657	(†)	155	487	763	1,873	58	597	42	428	(†)
Applied research	7,667	939	2,764	2,764	(†)	(†)	333	194	1,788	23	1,001	(†)	625	(†)
Development/design	1,475	850	68	68	(†)	(†)	15	(†)	146	(†)	35	31	330	(†)
Management or administration	18,088	4,906	3,255	2,926	240	89	275	428	4,898	34	2,786	61	1,445	(†)
Of R&D	6,397	1,566	1,473	1,450	12	11	133	250	1,254	(†)	930	49	742	(†)
Other than R&D	11,691	3,340	1,782	1,476	228	78	142	178	3,644	34	1,856	12	703	(†)
Teaching	16,907	(†)	16,200	13,516	2,011	673	134	114	207	(†)	227	(†)	25	(†)
Consulting	3,745	682	401	336	24	41	210	47	1,005	(†)	972	51	365	12
Production/inspection	5,016	2,696	134	134	(†)	(†)	(†)	75	1,050	17	231	79	734	(†)
Reporting, statistical work and computing application	2,601	296	255	226	(†)	29	155	96	1,043	(†)	436	84	236	(†)
Other activities	2,769	625	412	354	(†)	58	24	47	1,012	(†)	506	27	116	(†)
Not reported	1,405	191	339	304	35	(†)	14	313	117	(†)	146	(†)	15	270

Table B-6–Con.

Field and primary work activity	Total	Business and industry	Educational institutions: Total	4-year college/ university	2-year college	Other	Hospital/ Clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Biological scientists	33,050	3,585	18,357	15,784	1,798	775	493	1,047	3,612	110	2 930	230	2,554	132
Research and development	10,618	1,103	4,489	4,358	(†)	131	315	714	1,883	81	948	57	1,028	(†)
Basic research	6,993	148	3,895	3,764	(†)	131	302	557	1,231	58	412	42	348	(†)
Applied research	2,812	440	594	594	(†)	(†)	13	157	626	23	525	(†)	434	(†)
Development/design	813	515	(†)	(†)	(†)	(†)	(†)	(†)	26	(†)	11	15	246	(†)
Management or administration	5,412	1,265	1,415	1,333	58	24	72	160	892	12	936	49	611	(†)
Of R&D	2,986	539	649	649	(†)	(†)	25	124	734	(†)	470	49	396	(†)
Other than R&D	2,426	726	766	684	58	24	47	36	158	12	466	(†)	215	(†)
Teaching	11,979	(†)	11,813	9,546	1,705	562	16	50	26	(†)	74	(†)	(†)	(†)
Consulting	864	73	100	100	(†)	(†)	90	(†)	97	(†)	255	13	236	(†)
Production/inspection	1,506	763	76	76	(†)	(†)	(†)	23	133	17	101	52	341	(†)
Reporting, statistical work, and computing application	1,217	53	127	127	(†)	(†)	(†)	47	449	(†)	275	59	207	(†)
Other activities	923	245	185	127	(†)	58	(†)	12	120	(†)	245	(†)	116	(†)
Not reported	531	83	152	117	35	(†)	(†)	41	12	(†)	96	(†)	15	132
Agricultural scientists	26,940	7,259	5,583	5,330	184	69	(†)	448	9,013	22	3,478	75	990	72
Research and development	5,519	736	2,363	2,363	(†)	(†)	(†)	25	1,663	(†)	596	(†)	136	(†)
Basic research	1,096	12	483	483	(†)	(†)	(†)	(†)	464	(†)	137	(†)	(†)	(†)
Applied research	3,925	439	1,869	1,869	(†)	(†)	(†)	25	1,079	(†)	435	(†)	78	(†)
Development/design	498	285	11	11	(†)	(†)	(†)	(†)	120	(†)	24	(†)	58	(†)
Management or administration	10,618	3,397	1,010	880	119	11	(†)	144	3,814	22	1,700	12	519	(†)
Of R&D	2,333	888	500	477	12	11	(†)	14	356	(†)	400	(†)	175	(†)
Other than R&D	8,285	2,509	510	403	107	(†)	(†)	130	3,458	22	1,300	12	344	(†)
Teaching	1,898	(†)	1,592	1,486	65	41	(†)	(†)	181	(†)	100	(†)	25	(†)
Consulting	2,265	598	160	143	(†)	17	(†)	47	896	(†)	502	38	12	12
Production/inspection	3,300	1,873	58	58	(†)	(†)	(†)	52	917	(†)	119	(†)	281	(†)
Reporting, statistical work, and computing application	1,026	180	74	74	(†)	(†)	(†)	37	545	(†)	161	12	17	(†)
Other activities	1,783	367	215	215	(†)	(†)	(†)	35	892	(†)	261	13	(†)	(†)
Not reported	531	108	111	111	(†)	(†)	(†)	108	105	(†)	39	(†)	(†)	60
Medical scientists	9,968	566	5,700	5,171	328	201	1,154	582	514	(†)	529	70	775	78
Research and development	3,290	175	1,792	1,768	(†)	24	520	218	261	(†)	89	16	219	(†)
Basic research	2,196	65	1,434	1,410	(†)	24	185	206	178	(†)	48	(†)	80	(†)
Applied research	930	60	301	301	(†)	(†)	320	12	83	(†)	41	(†)	113	(†)
Development/design	164	50	57	57	(†)	(†)	15	(†)	(†)	(†)	(†)	16	26	(†)
Management or administration	2,058	244	830	713	63	54	203	124	192	(†)	150	(†)	315	(†)
Of R&D	1,078	139	324	324	(†)	(†)	108	112	164	(†)	60	(†)	171	(†)
Other than R&D	980	105	506	389	63	54	95	12	28	(†)	90	(†)	144	(†)
Teaching	3,030	(†)	2,795	2,484	241	70	118	64	(†)	(†)	53	(†)	(†)	(†)
Consulting	516	11	141	93	24	24	120	(†)	12	(†)	215	(†)	117	(†)
Production/inspection	210	60	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	27	112	(†)
Reporting, statistical work, and computing application	358	63	54	25	(†)	29	155	12	49	(†)	(†)	13	12	(†)
Other activities	63	13	12	12	(†)	(†)	24	(†)	(†)	(†)	(†)	14	(†)	(†)
Not reported	343	(†)	76	76	(†)	(†)	14	164	(†)	(†)	11	(†)	(†)	78

Table B-6—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ Clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Psychologists	32,819	2,283	17,007	10,883	681	5,443	4,905	2,447	994	28	2,387	225	2,428	115
Research and development	2,964	313	1,051	1,012	(†)	39	290	573	417	16	183	(†)	121	(†)
Basic research	1,400	11	816	816	(†)	(†)	123	104	222	16	108	(†)	(†)	(†)
Applied research	1,234	174	210	184	(†)	26	167	383	104	(†)	75	(†)	121	(†)
Development/design	330	128	25	12	(†)	13	(†)	86	91	(†)	(†)	(†)	(†)	(†)
Management or administration	5,950	727	2,283	1,553	120	610	971	784	307	12	575	(†)	291	(†)
Of RD&D	2,389	99	894	684	14	196	188	512	268	(†)	204	(†)	224	(†)
Other than R&D	3,561	628	1,389	869	106	414	783	272	39	12	371	(†)	67	(†)
Teaching	8,880	13	8,055	6,857	534	664	352	130	43	(†)	176	14	97	(†)
Consulting	12,100	468	4,738	982	27	3,729	3,023	724	136	(†)	1,183	(†)	1,694	(†)
Production/inspection	532	519	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	134	(†)	(†)
Reporting, statistical work, and computing application	845	40	258	117	(†)	141	15	171	66	(†)	190	(†)	105	(†)
Other activities	921	186	234	77	(†)	157	227	39	25	(†)	55	77	78	(†)
Not reported	627	17	388	285	(†)	103	14	26	(†)	(†)	25	(†)	42	115
Social scientists	43,639	6,394	20,658	19,002	1,042	614	452	2,961	5,071	16	5,224	703	1,673	487
Research and development	5,352	353	1,895	1,826	(†)	69	(†)	751	1,293	(†)	704	110	246	(†)
Basic research	2,135	13	1,124	1,055	(†)	69	(†)	395	328	(†)	201	26	48	(†)
Applied research	2,915	253	752	752	(†)	(†)	(†)	339	870	(†)	474	84	143	(†)
Development/design	302	87	19	19	(†)	(†)	(†)	17	95	(†)	29	(†)	55	(†)
Management or administration	11,466	2,995	2,903	2,645	198	60	53	1,262	1,614	16	1,650	353	620	(†)
Of R&D	3,606	406	865	822	11	32	(†)	461	950	(†)	511	108	305	(†)
Other than R&D	7,860	2,589	2,038	1,823	187	28	53	801	664	16	1,139	245	315	(†)
Teaching	14,985	81	14,435	13,506	708	221	23	60	73	(†)	252	(†)	(†)	61
Consulting	2,242	528	247	166	(†)	81	332	304	152	(†)	407	16	256	(†)
Production/inspection	1,550	1,095	190	13	109	68	13	(†)	118	(†)	15	119	(†)	(†)
Reporting, statistical work, and computing application	4,578	802	559	526	(†)	33	(†)	228	1,329	(†)	1,118	69	473	(†)
Other activities	2,409	491	263	182	12	69	31	356	411	(†)	809	17	31	(†)
Not reported	1,057	49	166	138	15	13	(†)	(†)	81	(†)	269	19	47	426
Economists	18,670	4,434	6,590	6,263	280	47	31	726	3,538	(†)	1,719	582	960	90
Research and development	2,866	293	747	747	(†)	(†)	(†)	320	905	(†)	344	100	157	(†)
Basic research	594	(†)	214	214	(†)	(†)	(†)	65	208	(†)	72	16	19	(†)
Applied research	2,057	236	514	514	(†)	(†)	(†)	238	630	(†)	272	84	83	(†)
Development/design	215	57	19	19	(†)	(†)	(†)	17	67	(†)	(†)	(†)	55	(†)
Management or administration	5,237	1,844	998	889	92	17	(†)	218	1,184	(†)	342	242	409	(†)
Of R&D	1,921	345	222	205	(†)	17	(†)	183	654	(†)	229	33	255	(†)
Other than R&D	3,316	1,499	776	684	92	(†)	(†)	35	530	(†)	113	209	154	(†)
Teaching	4,678	31	4,576	4,373	173	30	(†)	33	(†)	(†)	38	(†)	(†)	(†)
Consulting	677	339	11	11	(†)	(†)	(†)	(†)	100	(†)	63	16	148	(†)
Production/inspection	952	818	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	15	119	(†)	(†)
Reporting, statistical work, and computing application	2,944	704	171	171	(†)	(†)	(†)	104	1,054	(†)	628	69	214	(†)
Other activities	1,038	372	53	53	(†)	(†)	31	51	227	(†)	272	17	15	(†)
Not reported	278	33	34	19	15	(†)	(†)	(†)	68	(†)	17	19	17	90

Table B-6—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ Clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Sociologists/ anthropologists	10,201	802	7,271	6,830	356	85	53	653	411	(†)	683	10	169	149
Research and development	1,287	13	735	720	(†)	15	(†)	171	142	(†)	193	10	23	(†)
Basic research	804	13	581	566	(†)	15	(†)	70	62	(†)	55	10	13	(†)
Applied research	483	(†)	154	154	(†)	(†)	(†)	101	80	(†)	138	(†)	10	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	1,580	269	853	733	106	14	13	235	60	(†)	122	(†)	28	(†)
Of R&D	493	33	236	225	11	(†)	(†)	91	28	(†)	89	(†)	16	(†)
Other than R&D	1,087	236	617	508	95	14	13	144	32	(†)	33	(†)	12	(†)
Teaching	5,553	13	5,356	5,050	250	56	10	14	12	(†)	136	(†)	(†)	12
Consulting	288	159	51	51	(†)	(†)	30	20	(†)	(†)	28	(†)	(†)	(†)
Production/inspection	244	244	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Reporting, statistical work and computing application	490	13	198	198	(†)	(†)	(†)	40	26	(†)	127	(†)	86	(†)
Other activities	542	75	30	30	(†)	(†)	(†)	173	171	(†)	77	(†)	16	(†)
Not reported	217	16	48	48	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16	137
Other social scientists	14,768	1,158	6,797	5,909	406	482	368	1,582	1,122	16	2,822	111	544	248
Research and development	1,199	47	413	359	(†)	54	(†)	260	246	(†)	167	(†)	66	(†)
Basic research	737	(†)	329	275	(†)	54	(†)	260	58	(†)	74	(†)	16	(†)
Applied research	375	17	84	84	(†)	(†)	(†)	(†)	160	(†)	64	(†)	50	(†)
Development/design	87	30	(†)	(†)	(†)	(†)	(†)	(†)	28	(†)	29	(†)	(†)	(†)
Management or administration	4,649	882	1,052	1,023	(†)	29	40	809	370	16	1,186	111	183	(†)
Of R&D	1,192	28	407	392	(†)	15	(†)	187	268	(†)	193	75	34	(†)
Other than R&D	3,457	854	645	631	(†)	14	40	622	102	16	993	36	149	(†)
Teaching	4,754	37	4,503	4,083	285	135	13	13	61	(†)	78	(†)	(†)	49
Consulting	1,277	30	185	104	(†)	81	302	284	52	(†)	316	(†)	108	(†)
Production/inspection	354	33	190	13	109	68	13	(†)	113	(†)	(†)	(†)	(†)	(†)
Reporting, statistical work, and computing application	1,144	85	190	157	(†)	33	(†)	84	249	(†)	363	(†)	173	(†)
Other activities	829	44	180	99	12	69	(†)	132	13	(†)	460	(†)	(†)	(†)
Not reported	562	(†)	84	71	(†)	13	(†)	(†)	13	(†)	252	(†)	14	199

(†) No cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-7.—Number of doctorate scientists and engineers by field, primary work activity, and type of employer: 1974

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Total, all fields	173,054	34,219	89,711	84,697	2,119	2,895	4,751	8,863	13,464	278	6,465	1,110	13,820	373
Research and development	57,795	15,656	18,944	18,506	109	329	872	4,809	8,011	134	2,693	356	6,320	(†)
Basic research	25,829	1,983	13,998	13,610	84	304	555	2,411	3,540	58	1,193	43	2,048	(†)
Applied research	21,911	6,809	4,581	4,531	25	25	302	1,931	3,795	76	1,439	216	2,762	(†)
Development design	10,055	6,864	365	365	(†)	(†)	15	467	676	(†)	61	97	1,510	(†)
Management or administration	33,293	11,679	9,892	9,186	217	489	1,070	2,186	3,334	78	1,633	181	3,240	(†)
Of R&D	22,169	9,411	3,914	3,667	37	210	365	1,725	2,829	50	964	81	2,830	(†)
Other than R&D	11,124	2,268	5,978	5,519	180	279	705	461	505	28	669	100	410	(†)
Teaching	57,776	165	56,282	53,477	1,781	1,024	361	246	187	(†)	374	14	86	61
Production/inspection	1,716	1,086	119	38	(†)	81	13	59	199	37	89	(†)	114	(†)
Consulting	10,876	2,569	1,741	946	(†)	795	1,982	645	463	(†)	729	347	2,400	(†)
Reporting, statistical work, and computing application	5,924	1,847	1,028	973	(†)	55	175	531	937	29	437	48	892	(†)
Other activities	2,774	714	592	509	12	71	250	183	204	(†)	396	104	331	(†)
Not reported	2,900	503	1,113	1,062	(†)	51	28	204	129	(†)	114	60	437	312
Physical scientists	51,756	15,490	20,743	19,684	806	253	667	3,128	3,991	61	1,412	161	5,998	105
Research and development	24,818	8,244	6,836	6,726	51	59	373	2,021	2,883	(†)	654	86	3,721	(†)
Basic research	12,463	1,455	5,879	5,794	26	59	263	1,335	1,467	(†)	389	(†)	1,675	(†)
Applied research	8,270	3,811	900	875	25	(†)	110	565	1,192	(†)	228	86	1,378	(†)
Development/design	4,085	2,978	57	57	(†)	(†)	(†)	121	224	(†)	37	(†)	668	(†)
Management or administration	10,272	5,399	1,529	1,395	27	107	220	750	715	12	333	50	1,264	(†)
Of R&D	7,993	4,584	612	505	(†)	107	172	702	652	12	188	(†)	1,071	(†)
Other than R&D	2,279	815	917	890	27	(†)	48	48	63	(†)	145	50	193	(†)
Teaching	12,023	74	11,851	11,048	728	75	(†)	12	25	(†)	40	(†)	21	(†)
Production/inspection	723	389	12	12	(†)	(†)	13	48	70	37	40	(†)	114	(†)
Consulting	1,113	540	12	12	(†)	(†)	61	(†)	64	(†)	16	(†)	420	(†)
Reporting, statistical work, and computing application	1,024	281	139	139	(†)	(†)	(†)	153	162	12	85	(†)	192	(†)
Other activities	665	203	86	86	(†)	(†)	(†)	60	23	(†)	219	(†)	74	(†)
Not reported	1,118	360	278	266	(†)	12	(†)	84	49	(†)	25	25	192	105
Chemists	33,827	12,678	12,656	11,916	551	189	643	1,391	1,732	37	722	143	3,720	105
Research and development	16,041	6,536	4,226	4,170	25	31	361	990	1,244	(†)	270	68	2,346	(†)
Basic research	7,827	1,201	3,636	3,605	(†)	31	263	673	665	(†)	232	(†)	1,157	(†)
Applied research	5,158	3,057	563	538	25	(†)	98	242	474	(†)	38	68	618	(†)
Development/design	3,056	2,278	27	27	(†)	(†)	(†)	75	105	(†)	(†)	(†)	571	(†)
Management or Administration	7,353	4,699	1,014	880	27	107	208	305	320	(†)	88	50	669	(†)
Of R&D	5,822	4,016	412	305	(†)	107	160	281	257	(†)	50	(†)	646	(†)
Other than R&D	1,531	683	602	575	27	(†)	48	24	63	(†)	38	50	23	(†)
Teaching	7,295	74	7,135	6,585	499	51	(†)	(†)	25	(†)	40	(†)	21	(†)
Production/inspection	594	313	(†)	(†)	(†)	(†)	13	36	58	37	40	(†)	97	(†)
Consulting	722	348	(†)	(†)	(†)	(†)	61	(†)	36	(†)	16	(†)	261	(†)
Reporting, statistical work, and computing application	466	205	69	69	(†)	(†)	(†)	25	24	(†)	48	(†)	95	(†)
Other activities	557	191	74	74	(†)	(†)	(†)	23	(†)	(†)	195	(†)	74	(†)
Not reported	799	312	138	138	(†)	(†)	(†)	12	25	(†)	25	25	157	105

Table B-7—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Nonprofit organization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Physicists/astronomers	16,098	2,322	7,679	7,372	243	64	24	1,569	2,013	24	636	18	1,813	(†)
Research and development	7,604	1,400	2,458	2,404	26	28	12	888	1,506	(†)	345	18	977	(†)
Basic research	4,065	242	2,104	2,050	26	28	(†)	543	762	(†)	143	(†)	271	(†)
Applied research	2,625	486	324	324	(†)	(†)	12	299	650	(†)	178	18	658	(†)
Development/design	914	672	30	30	(†)	(†)	(†)	46	94	(†)	24	(†)	48	(†)
Management or administration	2,572	518	504	504	(†)	(†)	12	445	294	12	230	(†)	557	(†)
Of R&D	1,875	437	189	189	(†)	(†)	12	421	294	12	123	(†)	387	(†)
Other than R&D	697	81	315	315	(†)	(†)	(†)	24	(†)	(†)	107	(†)	170	(†)
Teaching	4,483	(†)	4,471	4,230	217	24	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	112	76	12	12	(†)	(†)	(†)	12	12	(†)	(†)	(†)	(†)	(†)
Consulting	391	192	12	12	(†)	(†)	(†)	(†)	28	(†)	(†)	(†)	159	(†)
Reporting, statistical work, and computing application	546	76	70	70	(†)	(†)	(†)	116	138	12	37	(†)	97	(†)
Other activities	83	12	12	12	(†)	(†)	(†)	24	11	(†)	24	(†)	(†)	(†)
Not reported	307	48	140	128	(†)	12	(†)	72	24	(†)	(†)	(†)	23	(†)
Other physical scientists	1,831	490	408	396	12	(†)	(†)	168	246	(†)	54	(†)	465	(†)
Research and development	1,173	308	152	152	(†)	(†)	(†)	143	133	(†)	39	(†)	398	(†)
Basic research	571	12	139	139	(†)	(†)	(†)	119	40	(†)	14	(†)	247	(†)
Applied research	487	268	13	13	(†)	(†)	(†)	24	68	(†)	12	(†)	102	(†)
Development/design	115	28	(†)	(†)	(†)	(†)	(†)	(†)	25	(†)	13	(†)	49	(†)
Management or administration	347	182	11	11	(†)	(†)	(†)	(†)	101	(†)	15	(†)	38	(†)
Of R&D	296	131	11	11	(†)	(†)	(†)	(†)	101	(†)	15	(†)	38	(†)
Other than R&D	51	51	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	245	(†)	245	233	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	17	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	17	(†)
Reporting, statistical work, and computing application	12	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	25	(†)	(†)	(†)	(†)	(†)	(†)	13	12	(†)	(†)	(†)	(†)	(†)
Not reported	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Mathematical scientists	9,648	603	7,591	7,380	186	25	67	170	540	(†)	202	(†)	475	(†)
Research and development	1,754	62	1,166	1,166	(†)	(†)	(†)	90	195	(†)	76	(†)	165	(†)
Basic research	1,237	26	1,028	1,028	(†)	(†)	(†)	12	50	(†)	12	(†)	109	(†)
Applied research	493	36	138	138	(†)	(†)	(†)	78	133	(†)	64	(†)	44	(†)
Development/design	24	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	12	(†)
Management or administration	816	124	444	432	12	(†)	(†)	13	173	(†)	24	(†)	38	(†)
Of R&D	416	110	103	103	(†)	(†)	(†)	13	152	(†)	12	(†)	26	(†)
Other than R&D	400	14	341	329	12	(†)	(†)	(†)	21	(†)	12	(†)	12	(†)
Teaching	5,804	12	5,703	5,517	174	12	(†)	12	13	(†)	64	(†)	(†)	(†)
Production/inspection	62	62	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	228	77	39	39	(†)	(†)	(†)	(†)	43	(†)	(†)	(†)	69	(†)
Reporting, statistical work, and computing application	746	239	147	134	(†)	13	67	55	116	(†)	38	(†)	84	(†)
Other activities	37	13	12	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Not reported	201	14	80	80	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	107	(†)

Table B-7—Con.

			Educational institutions											
Field and primary work activity	Total	Business and industry	Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Mathematicians	7,370	342	6,396	6,208	186	12	(†)	142	228	(†)	57	(†)	195	(†)
Research and development	1,447	50	1,053	1,053	(†)	(†)	(†)	90	140	(†)	44	(†)	70	(†)
Basic research	1,130	26	1,004	1,004	(†)	(†)	(†)	12	37	(†)	12	(†)	39	(†)
Applied research	305	24	49	49	(†)	(†)	(†)	78	91	(†)	32	(†)	31	(†)
Development/design	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Management or administration	469	98	333	321	12	(†)	(†)	(†)	38	(†)	(†)	(†)	(†)	(†)
Of R&D	213	84	91	91	(†)	(†)	(†)	(†)	38	(†)	(†)	(†)	(†)	(†)
Other than R&D	256	14	242	230	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	4,952	12	4,915	4,729	174	12	(†)	12	13	(†)	(†)	(†)	(†)	(†)
Production/inspection	62	62	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	146	65	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	69	(†)
Reporting, statistical work, and computing application	163	28	13	13	(†)	(†)	(†)	40	25	(†)	13	(†)	44	(†)
Other activities	37	13	12	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Not reported	94	14	80	80	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	2,278	261	1,185	1,172	(†)	13	67	28	312	(†)	145	(†)	280	(†)
Research and development	307	12	113	113	(†)	(†)	(†)	(†)	55	(†)	32	(†)	95	(†)
Basic research	107	(†)	24	24	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	70	(†)
Applied research	188	12	89	89	(†)	(†)	(†)	(†)	42	(†)	32	(†)	13	(†)
Development/design	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Management or administration	347	26	111	111	(†)	(†)	(†)	13	135	(†)	24	(†)	38	(†)
OF R&D	203	26	12	12	(†)	(†)	(†)	13	114	(†)	12	(†)	26	(†)
Other than R&D	144	(†)	99	99	(†)	(†)	(†)	(†)	21	(†)	12	(†)	12	(†)
Teaching	852	(†)	788	788	(†)	(†)	(†)	(†)	(†)	(†)	64	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	82	12	39	39	(†)	(†)	(†)	(†)	31	(†)	(†)	(†)	(†)	(†)
Reporting, statistical work, and computing application	583	211	134	121	(†)	13	67	15	91	(†)	25	(†)	40	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	107	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	107	(†)
Computer specialists	2,570	772	998	985	(†)	13	36	57	120	(†)	(†)	135	452	(†)
Research and development	570	328	84	84	(†)	(†)	(†)	19	33	(†)	(†)	68	38	(†)
Basic research	83	(†)	26	26	(†)	(†)	(†)	19	(†)	(†)	(†)	(†)	38	(†)
Applied research	253	195	58	58	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	234	133	(†)	(†)	(†)	(†)	(†)	(†)	33	(†)	(†)	68	(†)	(†)
Management or administration	210	29	94	94	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	87	(†)
Of R&D	100	29	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	71	(†)
Other than R&D	110	(†)	94	94	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16	(†)
Teaching	626	(†)	626	626	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	30	17	13	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	212	28	46	46	(†)	(†)	(†)	(†)	(†)	(†)	(†)	51	87	(†)
Reporting, statistical work, and computing application	876	353	122	122	(†)	(†)	36	38	87	(†)	(†)	(†)	240	(†)
Other activities	17	17	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	29	(†)	13	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16	(†)	(†)

Table B-7—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Environmental scientists	7,646	1,190	3,877	3,671	119	87	(†)	194	1,273	(†)	704	80	304	24
Research and develoopment ...	2,804	487	732	645	(†)	87	(†)	52	842	(†)	466	27	198	(†)
Basic research	1,479	48	561	486	(†)	75	(†)	52	508	(†)	296	14	(†)	(†)
Applied research	1,238	425	123	111	(†)	12	(†)	(†)	321	(†)	170	13	186	(†)
Development/design	87	14	48	48	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	12	(†)
Management or administration	1,424	290	497	497	(†)	(†)	(†)	130	272	(†)	196	15	24	(†)
Of R&D	956	128	344	344	(†)	(†)	(†)	25	260	(†)	172	15	12	(†)
Other than R&D	468	162	153	153	(†)	(†)	(†)	105	12	(†)	24	(†)	12	(†)
Teaching	2,438	(†)	2,438	2,331	107	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	60	48	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Consulting	294	206	10	10	(†)	(†)	(†)	(†)	(†)	(†)	30	24	24	(†)
Reporting, statistical work, and computing application ..	263	70	76	76	(†)	(†)	(†)	(†)	71	(†)	12	(†)	34	(†)
Other activities	201	89	23	11	12	(†)	(†)	(†)	63	(†)	(†)	14	12	(†)
Not reported	162	(†)	101	101	(†)	(†)	(†)	12	13	(†)	(†)	(†)	12	24
Earth scientists	5,989	1,075	3,100	2,905	108	87	(†)	129	902	(†)	484	80	195	24
Research and development ...	1,876	412	395	308	(†)	87	(†)	(†)	614	(†)	315	27	113	(†)
Basic research	1,016	48	283	208	(†)	75	(†)	(†)	433	(†)	238	14	(†)	(†)
Applied research	821	350	112	100	(†)	12	(†)	(†)	168	(†)	77	13	101	(†)
Development/design	39	14	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	12	(†)
Management or administration	1,045	279	317	317	(†)	(†)	(†)	117	166	(†)	127	15	24	(†)
Of R&D	598	128	174	174	(†)	(†)	(†)	12	154	(†)	103	15	12	(†)
Other than R&D	447	151	143	143	(†)	(†)	(†)	105	12	(†)	24	(†)	12	(†)
Teaching	2,204	(†)	2,204	2,108	96	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	60	48	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Consulting	272	194	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	30	24	24	(†)
Reporting, statistical work, and computing application ..	223	53	76	76	(†)	(†)	(†)	(†)	60	(†)	12	(†)	22	(†)
Other activities	163	89	23	11	12	(†)	(†)	(†)	37	(†)	(†)	14	(†)	(†)
Not reported	146	(†)	85	85	(†)	(†)	(†)	12	13	(†)	(†)	(†)	12	24
Oceanographers	849	12	417	406	11	(†)	(†)	13	150	(†)	184	(†)	73	(†)
Research and development ...	490	12	164	164	(†)	(†)	(†)	(†)	114	(†)	127	(†)	73	(†)
Basic research	259	(†)	164	164	(†)	(†)	(†)	(†)	37	(†)	58	(†)	(†)	(†)
Applied research	231	12	(†)	(†)	(†)	(†)	(†)	(†)	77	(†)	69	(†)	73	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	251	(†)	169	169	(†)	(†)	(†)	13	12	(†)	57	(†)	(†)	(†)
Of R&D	241	(†)	159	159	(†)	(†)	(†)	13	12	(†)	57	(†)	(†)	(†)
Other than R&D	10	(†)	10	10	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	84	(†)	84	73	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Reporting, statistical work, and computing application ..	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)	(†)	(†)
Other activities	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-7—Con.

Field and primary work activity	Total	Business and industry	Educational institutions: Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Atmospheric scientists	808	103	360	360	(†)	(†)	(†)	52	221	(†)	36	(†)	36	(†)
Research and development	438	63	173	173	(†)	(†)	(†)	52	114	(†)	24	(†)	12	(†)
Basic research	204	(†)	114	114	(†)	(†)	(†)	52	38	(†)	(†)	(†)	(†)	(†)
Applied research	186	63	11	11	(†)	(†)	(†)	(†)	76	(†)	24	(†)	12	(†)
Development/design	48	(†)	48	48	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	128	11	11	11	(†)	(†)	(†)	(†)	94	(†)	12	(†)	(†)	(†)
Of R&D	117	(†)	11	11	(†)	(†)	(†)	(†)	94	(†)	12	(†)	(†)	(†)
Other than R&D	11	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	150	(†)	150	150	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	22	12	10	10	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Reporting, statistical work, and computing application	29	17	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Other activities	25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	12	(†)
Not reported	16	(†)	16	16	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	30,912	12,761	9,930	9,524	108	298	(†)	1,874	2,299	120	671	290	2,955	12
Research and development	11,040	5,414	1,429	1,371	58	(†)	(†)	1,203	1,187	65	230	83	1,429	(†)
Basic research	1,263	315	621	563	58	(†)	(†)	211	116	(†)	(†)	(†)	(†)	(†)
Applied research	5,051	1,754	636	636	(†)	(†)	(†)	732	781	65	218	70	795	(†)
Development/design	4,726	3,345	172	172	(†)	(†)	(†)	260	290	(†)	12	13	634	(†)
Management or administration	8,075	4,565	1,065	1,065	(†)	(†)	(†)	242	782	38	280	41	1,062	(†)
Of R&D	6,144	3,699	368	368	(†)	(†)	(†)	227	647	38	137	41	987	(†)
Other than R&D	1,931	866	697	697	(†)	(†)	(†)	15	135	(†)	143	(†)	75	(†)
Teaching	7,421	52	7,241	6,893	50	298	(†)	64	35	(†)	29	(†)	(†)	(†)
Production/inspection	468	440	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	16	(†)	(†)	(†)
Consulting	2,049	1,283	43	43	(†)	(†)	(†)	218	132	(†)	22	135	216	(†)
Reporting, statistical work, and computing application	1,091	680	55	55	(†)	(†)	(†)	86	114	17	25	31	83	(†)
Other activities	450	276	(†)	(†)	(†)	(†)	(†)	14	(†)	(†)	33	(†)	127	(†)
Not reported	318	51	97	97	(†)	(†)	(†)	47	37	(†)	36	(†)	38	12
Life scientists	30,190	2,034	20,598	19,790	434	374	792	918	2,893	69	1,320	83	1,407	76
Research and development	11,933	849	6,558	6,403	(†)	155	406	600	1,937	69	879	29	606	(†)
Basic research	6,994	126	4,373	4,218	(†)	155	265	493	1,063	58	425	13	178	(†)
Applied research	4,315	397	2,128	2,128	(†)	(†)	126	107	848	11	454	(†)	244	(†)
Development/design	624	326	57	57	(†)	(†)	15	(†)	26	(†)	(†)	16	184	(†)
Management or administration	5,028	874	2,377	2,307	47	23	183	184	713	(†)	189	25	483	(†)
Of R&D	3,488	752	1,288	1,265	12	11	65	149	623	(†)	165	25	421	(†)
Other than R&D	1,540	122	1,089	1,042	35	12	118	35	90	(†)	24	(†)	62	(†)
Teaching	11,280	(†)	11,067	10,513	387	167	40	27	26	(†)	95	(†)	25	(†)
Production/inspection	114	72	13	13	(†)	(†)	(†)	11	(†)	(†)	18	(†)	(†)	(†)
Consulting	632	96	82	82	(†)	(†)	68	(†)	113	(†)	80	16	177	(†)
Reporting, statistical work, and computing application	409	48	113	84	(†)	29	57	36	68	(†)	11	(†)	76	(†)
Other activities	373	67	197	197	(†)	(†)	24	12	23	(†)	12	13	25	(†)
Not reported	421	28	191	191	(†)	(†)	14	48	13	(†)	36	(†)	15	76

Table B-7—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Biological scientists	18,915	967	13,616	12,922	409	285	271	657	1,558	69	719	38	1,009	11
Research and development	6,742	504	3,540	3,409	(†)	131	194	510	927	69	509	13	476	(†)
Basic research	5,000	61	3,086	2,955	(†)	131	194	440	694	58	300	13	154	(†)
Applied research	1,338	236	454	454	(†)	(†)	(†)	70	220	11	209	(†)	138	(†)
Development/design	404	207	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	184	(†)
Management or administration	2,619	347	1,291	1,244	35	12	47	61	502	(†)	95	25	251	(†)
Of R&D	1,770	287	610	610	(†)	(†)	12	49	502	(†)	71	25	214	(†)
Other than R&D	849	60	681	634	35	12	35	12	(†)	(†)	24	(†)	37	(†)
Teaching	8,620	(†)	8,532	8,016	374	142	(†)	27	13	(†)	48	(†)	(†)	(†)
Production/inspection	81	39	13	13	(†)	(†)	(†)	11	(†)	(†)	18	(†)	(†)	(†)
Consulting	259	13	12	12	(†)	(†)	30	(†)	25	(†)	13	(†)	166	(†)
Reporting, statistical work, and computing application	239	12	36	36	(†)	(†)	(†)	36	68	(†)	11	(†)	76	(†)
Other activities	159	24	75	75	(†)	(†)	(†)	12	23	(†)	(†)	(†)	25	(†)
Not reported	196	28	117	117	(†)	(†)	(†)	(†)	(†)	(†)	25	(†)	15	11
Agricultural scientists	6,231	818	3,714	3,665	25	24	(†)	36	1,016	(†)	413	29	205	(†)
Research and development	3,217	268	1,773	1,773	(†)	(†)	(†)	25	815	(†)	294	(†)	42	(†)
Basic research	667	(†)	333	333	(†)	(†)	(†)	(†)	257	(†)	77	(†)	(†)	(†)
Applied research	2,418	149	1,440	1,440	(†)	(†)	(†)	25	545	(†)	217	(†)	42	(†)
Development/design	132	119	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Management or administration	1,379	415	682	659	12	11	(†)	11	99	(†)	34	(†)	138	(†)
Of R&D	1,010	353	448	425	12	11	(†)	(†)	37	(†)	34	(†)	138	(†)
Other than R&D	369	62	234	234	(†)	(†)	(†)	11	62	(†)	(†)	(†)	(†)	(†)
Teaching	1,094	(†)	1,020	994	13	13	(†)	(†)	13	(†)	36	(†)	25	(†)
Production/inspection	33	33	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	271	72	70	70	(†)	(†)	(†)	(†)	76	(†)	37	16	(†)	(†)
Reporting, statistical work, and computing application	23	(†)	23	23	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	165	30	110	110	(†)	(†)	(†)	(†)	(†)	(†)	12	13	(†)	(†)
Not reported	49	(†)	36	36	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Medical scientists	5,044	249	3,268	3,203	(†)	65	521	225	319	(†)	188	16	193	65
Research and development	1,974	77	1,245	1,221	(†)	24	212	65	195	(†)	76	16	88	(†)
Basic research	1,327	65	954	930	(†)	24	71	53	112	(†)	48	(†)	24	(†)
Applied research	559	12	234	234	(†)	(†)	126	12	83	(†)	28	(†)	64	(†)
Development/design	88	(†)	57	57	(†)	(†)	15	(†)	(†)	(†)	(†)	16	(†)	(†)
Management or administration	1,030	112	404	404	(†)	(†)	136	112	112	(†)	60	(†)	94	(†)
Of R&D	708	112	230	230	(†)	(†)	53	100	84	(†)	60	(†)	69	(†)
Other than R&D	322	(†)	174	174	(†)	(†)	83	12	28	(†)	(†)	(†)	25	(†)
Teaching	1,566	(†)	1,515	1,503	(†)	12	40	(†)	(†)	(†)	11	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	102	11	(†)	(†)	(†)	(†)	38	(†)	12	(†)	30	(†)	11	(†)
Reporting, statistical work, and computing application	147	36	54	25	(†)	29	57	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	49	13	12	12	(†)	(†)	24	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	176	(†)	38	38	(†)	(†)	14	48	(†)	(†)	11	(†)	(†)	65

Table B-7—Con.

			Educational institutions											
Field and primary work activity	Total	Business and industry	Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Psychologists	19,685	537	10,665	8,828	267	1,570	3,126	1,658	684	12	1,034	196	1,734	39
Research and development	1,887	176	806	793	(†)	13	93	371	335	(†)	26	(†)	80	(†)
Basic research	974	(†)	650	650	(†)	(†)	27	90	193	(†)	14	(†)	(†)	(†)
Applied research	682	121	144	131	(†)	13	66	195	64	(†)	12	(†)	80	(†)
Development/design	231	55	12	12	(†)	(†)	(†)	86	78	(†)	(†)	(†)	(†)	(†)
Management or administration	3,764	81	1,785	1,320	120	345	641	652	206	12	267	(†)	120	(†)
Of R&D	1,575	42	647	541	14	92	128	406	181	(†)	78	(†)	93	(†)
Other than R&D	2,189	39	1,138	779	106	253	513	246	25	12	189	(†)	27	(†)
Teaching	6,793	13	6,217	5,719	147	351	311	104	27	(†)	67	14	40	(†)
Production/inspection	58	58	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	5,847	165	1,407	612	(†)	795	1,839	386	65	(†)	554	105	1,326	(†)
Reporting, statistical work, and computing application	488	14	130	117	(†)	13	15	106	26	(†)	120	(†)	77	(†)
Other activities	496	13	77	63	(†)	14	213	26	25	(†)	(†)	77	65	(†)
Not reported	352	17	243	204	(†)	39	14	13	(†)	(†)	(†)	(†)	26	39
Social scientists	20,647	832	15,309	14,835	199	275	63	864	1,664	16	1,122	165	495	117
Research and development	2,989	96	1,333	1,318	(†)	15	(†)	453	599	(†)	362	63	83	(†)
Basic research	1,336	13	860	845	(†)	15	(†)	199	143	(†)	57	16	48	(†)
Applied research	1,609	70	454	454	(†)	(†)	(†)	254	456	(†)	293	47	35	(†)
Development/design	44	13	19	19	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)
Management or administration	3,704	317	2,101	2,076	11	14	26	215	473	16	344	50	162	(†)
Of R&D	1,497	67	552	541	11	(†)	(†)	203	314	(†)	212	(†)	149	(†)
Other than R&D	2,207	250	1,549	1,535	(†)	14	26	12	159	16	132	50	13	(†)
Teaching	11,391	14	11,139	10,830	188	121	10	27	61	(†)	79	(†)	(†)	61
Production/inspection	201	(†)	81	13	(†)	68	(†)	(†)	105	(†)	15	(†)	(†)	(†)
Consulting	501	174	102	102	(†)	(†)	14	41	46	(†)	27	16	81	(†)
Reporting, statistical work, and computing application	1,027	162	246	246	(†)	(†)	(†)	57	293	(†)	146	17	106	(†)
Other activities	535	36	197	140	(†)	57	13	71	70	(†)	132	(†)	16	(†)
Not reported	299	33	110	110	(†)	(†)	(†)	(†)	17	(†)	17	19	47	56
Economists	8,458	760	5,003	4,909	80	14	13	391	1,167	(†)	597	165	335	27
Research and development	1,599	70	550	550	(†)	(†)	(†)	218	466	(†)	197	63	35	(†)
Basic research	372	(†)	201	201	(†)	(†)	(†)	49	70	(†)	17	16	19	(†)
Applied research	1,208	70	330	330	(†)	(†)	(†)	169	396	(†)	180	47	16	(†)
Development/design	19	(†)	19	19	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	1,778	288	640	640	(†)	(†)	(†)	85	406	(†)	176	50	133	(†)
Of R&D	834	51	190	190	(†)	(†)	(†)	85	263	(†)	112	(†)	133	(†)
Other than R&D	944	237	450	450	(†)	(†)	(†)	(†)	143	(†)	64	50	(†)	(†)
Teaching	3,643	14	3,615	3,521	80	14	(†)	14	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	15	(†)	(†)	(†)
Consulting	317	174	11	11	(†)	(†)	(†)	(†)	33	(†)	15	16	68	(†)
Reporting, statistical work, and computing application	706	162	115	115	(†)	(†)	(†)	57	215	(†)	58	17	82	(†)
Other activities	251	19	53	53	(†)	(†)	13	17	30	(†)	119	(†)	(†)	(†)
Not reported	149	33	19	19	(†)	(†)	(†)	(†)	17	(†)	17	19	17	27

Table B-7—Con.

Field and primary work activity	Total	Business and industry	Educational institutions: Total	Educational institutions: 4-year college/ university	Educational institutions: 2-year college	Educational institutions: Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Sociologists/anthropologists	6,321	29	5,580	5,456	79	45	24	190	127	(†)	257	(†)	73	41
Research and development	820	13	497	482	(†)	15	(†)	97	60	(†)	140	(†)	13	(†)
Basic research	541	13	416	401	(†)	15	(†)	12	47	(†)	40	(†)	13	(†)
Applied research	279	(†)	81	81	(†)	(†)	(†)	85	13	(†)	100	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	772	16	641	630	11	(†)	(†)	39	28	(†)	32	(†)	16	(†)
Of R&D	263	16	160	149	11	(†)	(†)	27	12	(†)	32	(†)	16	(†)
Other than R&D	509	(†)	481	481	(†)	(†)	(†)	12	16	(†)	(†)	(†)	(†)	(†)
Teaching	4,285	(†)	4,236	4,138	68	30	10	(†)	12	(†)	15	(†)	(†)	12
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	77	(†)	51	51	(†)	(†)	14	(†)	(†)	(†)	12	(†)	(†)	(†)
Reporting, statistical work, and computing application	189	(†)	119	119	(†)	(†)	(†)	(†)	(†)	(†)	58	(†)	12	(†)
Other activities	97	(†)	(†)	(†)	(†)	(†)	(†)	54	27	(†)	(†)	(†)	16	(†)
Not reported	81	(†)	36	36	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16	29
Other social scientists	5,868	43	4,726	4,470	40	216	26	283	370	16	268	(†)	87	49
Research and development	570	13	286	286	(†)	(†)	(†)	138	73	(†)	25	(†)	35	(†)
Basic research	423	(†)	243	243	(†)	(†)	(†)	138	26	(†)	(†)	(†)	16	(†)
Applied research	122	(†)	43	43	(†)	(†)	(†)	(†)	47	(†)	13	(†)	19	(†)
Development/design	25	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)
Management or administration	1,154	13	820	806	(†)	14	26	91	39	16	136	(†)	13	(†)
Of R&D	400	(†)	202	202	(†)	(†)	(†)	91	39	(†)	68	(†)	(†)	(†)
Other than R&D	754	13	618	604	(†)	14	26	(†)	(†)	16	68	(†)	13	(†)
Teaching	3,463	(†)	3,288	3,171	40	77	(†)	13	49	(†)	64	(†)	(†)	49
Production/inspection	186	(†)	81	13	(†)	68	(†)	(†)	105	(†)	(†)	(†)	(†)	(†)
Consulting	107	(†)	40	40	(†)	(†)	(†)	41	13	(†)	(†)	(†)	13	(†)
Reporting, statistical work, and computing application	132	(†)	12	12	(†)	(†)	(†)	(†)	78	(†)	30	(†)	12	(†)
Other activities	187	17	144	87	(†)	57	(†)	(†)	13	(†)	13	(†)	(†)	(†)
Not reported	69	(†)	55	55	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)

(†) No cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-8.—Number of master's degree scientists and engineers by field primary work activity, and type of employer: 1974

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	No[illegible] pr[illegible] org[illegible] izat[illegible]	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Total, all fields	227,198	122,149	32,081	20,545	6,578	4,958	2,637	8,48[illegible]	23,433	639	15,460	3,794	18,018	501
Research and development	73,711	46,583	4,913	4,735	(†)	178	305	2,5[illegible]	8,039	111	3,100	1,041	7,067	(†)
Basic research	7,232	1,371	2,632	2,548	(†)	84	122	339	1,588	16	366	87	711	(†)
Applied research	15,828	6,032	1,750	1,682	(†)	68	183	1,140	3,250	44	1,149	191	2,089	(†)
Development/design	50,651	39,180	531	505	(†)	26	(†)	1,073	3,201	51	1,585	763	4,267	(†)
Management or administration	58,981	33,928	3,042	2,243	480	319	480	2,457	7,954	145	5,397	1,146	4,432	(†)
Of R&D	27,622	15,289	1,136	1,041	(†)	95	122	1,381	4,742	53	1,628	296	2,975	(†)
Other than R&D	31,359	18,639	1,906	1,202	480	224	358	1,076	3,212	92	3,769	850	1,457	(†)
Teaching	19,714	613	18,074	11,140	5,823	1,111	70	154	187	65	355	125	71	(†)
Production/inspection	17,114	11,894	367	194	109	64	38	444	1,482	76	1,241	452	1,120	(†)
Consulting	20,391	9,418	3,504	687	51	2,766	1,476	1,154	1,167	(†)	1,730	232	1,698	12
Reporting, statistical work, and computing application	23,729	12,313	960	766	(†)	194	225	1,134	3,545	125	2,254	517	2,656	(†)
Other activities	9,708	5,781	630	392	25	213	43	406	786	105	1,080	183	694	(†)
Not reported	3,850	1,619	591	388	90	113	(†)	185	273	12	303	98	280	489
Physical scientists	20,294	9,156	3,677	2,526	993	158	369	780	2,574	90	778	216	2,572	82
Research and development	9,426	4,239	1,059	1,034	(†)	25	133	415	1,671	(†)	245	115	1,549	(†)
Basic research	2,983	690	914	889	(†)	25	108	157	589	(†)	55	65	405	(†)
Applied research	3,378	1,471	109	109	(†)	(†)	25	258	663	(†)	141	38	673	(†)
Development/design	3,065	2,078	36	36	(†)	(†)	(†)	(†)	419	(†)	49	12	471	(†)
Management or administration	4,306	2,752	191	156	23	12	86	155	484	25	136	50	427	(†)
Of R&D	2,989	1,904	62	50	(†)	12	25	155	366	25	50	50	352	(†)
Other than R&D	1,317	848	129	106	23	(†)	61	(†)	118	(†)	86	(†)	75	(†)
Teaching	2,237	(†)	2,145	1,092	932	121	(†)	27	(†)	65	(†)	(†)	(†)	(†)
Production/inspection	2,051	1,285	62	62	(†)	(†)	(†)	84	100	(†)	208	(†)	312	(†)
Consulting	714	307	49	49	(†)	(†)	121	30	50	(†)	39	(†)	118	(†)
Reporting, statistical work, and computing application	582	212	12	12	(†)	(†)	(†)	57	221	(†)	30	13	37	(†)
Other activities	566	208	122	97	25	(†)	29	12	36	(†)	95	(†)	64	(†)
Not reported	412	153	37	24	13	(†)	(†)	(†)	12	(†)	25	38	65	82
Chemists	13,048	7,241	1,557	1,108	347	102	291	248	1,203	25	506	189	1,724	64
Research and development	6,555	3,636	476	451	(†)	25	133	183	868	(†)	87	88	1,084	(†)
Basic research	1,826	666	367	342	(†)	25	108	82	325	(†)	25	51	202	(†)
Applied research	2,263	1,123	85	85	(†)	(†)	25	101	358	(†)	37	25	509	(†)
Development/design	2,466	1,847	24	24	(†)	(†)	(†)	(†)	185	(†)	25	12	373	(†)
Management or administration	2,705	1,917	83	83	(†)	(†)	73	(†)	249	25	74	50	234	(†)
Of R&D	1,662	1,186	13	13	(†)	(†)	25	(†)	179	25	25	50	159	(†)
Other than R&D	1,043	731	70	70	(†)	(†)	48	(†)	70	(†)	49	(†)	75	(†)
Teaching	882	(†)	882	472	333	77	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	1,694	1,116	50	50	(†)	(†)	(†)	35	(†)	(†)	208	(†)	285	(†)
Consulting	297	134	(†)	(†)	(†)	(†)	85	30	(†)	(†)	(†)	(†)	48	(†)
Reporting, statistical work, and computing application	220	93	(†)	(†)	(†)	(†)	(†)	(†)	61	(†)	30	13	23	(†)
Other activities	406	208	66	52	14	(†)	(†)	(†)	25	(†)	82	(†)	25	(†)
Not reported	289	137	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	25	38	25	64

Table B-8–Con.

			Educational institutions											
Field and primary work activity	Total	Business and industry	Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Physicists/astronomers	5,524	1,285	1,840	1,226	570	44	41	457	926	65	144	27	739	(†)
Research and development ...	2,278	412	571	571	(†)	(†)	(†)	208	611	(†)	69	27	380	(†)
Basic research	1,019	12	547	547	(†)	(†)	(†)	75	198	(†)	18	14	155	(†)
Applied research	831	241	12	12	(†)	(†)	(†)	133	242	(†)	51	13	139	(†)
Development/design	428	159	12	12	(†)	(†)	(†)	(†)	171	(†)	(†)	(†)	86	(†)
Management or administration	1,218	558	96	61	23	12	(†)	155	154	(†)	62	(†)	193	(†)
Of R&D	990	441	49	37	(†)	12	(†)	155	127	(†)	25	(†)	193	(†)
Other than R&D	228	117	47	24	23	(†)	(†)	(†)	27	(†)	37	(†)	(†)	(†)
Teaching	1,148	(†)	1,083	528	523	32	(†)	(†)	(†)	65	(†)	(†)	(†)	(†)
Production/inspection	268	144	12	12	(†)	(†)	(†)	49	36	(†)	(†)	(†)	27	(†)
Consulting	144	36	(†)	(†)	(†)	(†)	12	(†)	38	(†)	(†)	(†)	58	(†)
Reporting, statistical work, and computing application ..	165	119	12	12	(†)	(†)	(†)	45	75	(†)	(†)	(†)	14	(†)
Other activities	98	(†)	29	18	11	(†)	29	(†)	(†)	(†)	13	(†)	27	(†)
Not reported	105	16	37	24	13	(†)	(†)	(†)	12	(†)	(†)	(†)	40	(†)
Other physical scientists	1,722	630	280	192	76	12	37	75	445	(†)	128	(†)	109	18
Research and development ...	593	191	12	12	(†)	(†)	(†)	24	192	(†)	89	(†)	85	(†)
Basic research	138	12	(†)	(†)	(†)	(†)	(†)	(†)	66	(†)	12	(†)	48	(†)
Applied research	284	107	12	12	(†)	(†)	(†)	24	63	(†)	53	(†)	25	(†)
Development/design	171	72	(†)	(†)	(†)	(†)	(†)	(†)	63	(†)	24	(†)	12	(†)
Management or administration	383	277	12	12	(†)	(†)	13	(†)	81	(†)	(†)	(†)	(†)	(†)
Of R&D	337	277	(†)	(†)	(†)	(†)	(†)	(†)	60	(†)	(†)	(†)	(†)	(†)
Other than R&D	46	(†)	12	12	(†)	(†)	13	(†)	21	(†)	(†)	(†)	(†)	(†)
Teaching	207	(†)	180	92	76	12	(†)	27	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	89	25	(†)	(†)	(†)	(†)	(†)	(†)	64	(†)	(†)	(†)	(†)	(†)
Consulting	273	137	49	49	(†)	(†)	24	(†)	12	(†)	39	(†)	12	(†)
Reporting, statistical work, and computing application ..	97	(†)	(†)	(†)	(†)	(†)	(†)	12	85	(†)	(†)	(†)	(†)	(†)
Other activities	62	(†)	27	27	(†)	(†)	(†)	12	11	(†)	(†)	(†)	12	(†)
Not reported	18	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	18
Mathematical scientists	8,502	1,784	3,905	2,427	1,339	139	(†)	226	1,393	56	537	46	555	(†)
Research and development ...	918	223	118	118	(†)	(†)	(†)	72	283	16	42	13	151	(†)
Basic research	223	13	118	118	(†)	(†)	(†)	(†)	65	(†)	(†)	(†)	27	(†)
Applied research	405	90	(†)	(†)	(†)	(†)	(†)	43	160	16	42	(†)	54	(†)
Development/design	290	120	(†)	(†)	(†)	(†)	(†)	29	58	(†)	(†)	13	70	(†)
Management or administration	1,118	540	158	117	41	(†)	(†)	54	186	(†)	102	(†)	78	(†)
Of R&D	549	249	26	26	(†)	(†)	(†)	41	112	(†)	43	(†)	78	(†)
Other than R&D	569	291	132	91	41	(†)	(†)	13	74	(†)	59	(†)	(†)	(†)
Teaching	3,488	63	3,400	1,975	1,298	127	(†)	12	13	(†)	(†)	(†)	(†)	(†)
Production/inspection	341	198	(†)	(†)	(†)	(†)	(†)	(†)	34	(†)	109	(†)	(†)	(†)
Consulting	186	66	21	21	(†)	(†)	(†)	(†)	69	(†)	(†)	(†)	30	(†)
Reporting, statistical work, and computing application ..	2,285	649	148	148	(†)	(†)	(†)	88	784	28	272	33	283	(†)
Other activities	75	26	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	12	(†)	13	(†)
Not reported	91	19	60	48	(†)	12	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)

Table B-8—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Mathematicians	6,389	1,167	3,648	2,170	1,339	139	(†)	82	848	31	269	13	331	(†)
Research and development	783	223	99	99	(†)	(†)	(†)	29	283	16	28	13	92	(†)
Basic research	192	13	99	99	(†)	(†)	(†)	(†)	65	(†)	(†)	(†)	15	(†)
Applied research	331	90	(†)	(†)	(†)	(†)	(†)	12	160	16	28	(†)	25	(†)
Development/design	260	120	(†)	(†)	(†)	(†)	(†)	17	58	(†)	(†)	13	52	(†)
Management or administration	736	349	145	104	41	(†)	(†)	28	136	(†)	17	(†)	61	(†)
Of R&D	383	182	13	13	(†)	(†)	(†)	15	112	(†)	(†)	(†)	61	(†)
Other than R&D	353	167	132	91	41	(†)	(†)	13	24	(†)	17	(†)	(†)	(†)
Teaching	3,413	63	3,325	1,900	1,298	127	(†)	12	13	(†)	(†)	(†)	(†)	(†)
Production/inspection	209	66	(†)	(†)	(†)	(†)	(†)	(†)	34	(†)	109	(†)	(†)	(†)
Consulting	98	12	(†)	(†)	(†)	(†)	(†)	(†)	56	(†)	(†)	(†)	30	(†)
Reporting, statistical work, and computing application	1,034	422	19	19	(†)	(†)	(†)	13	302	15	115	(†)	148	(†)
Other activities	37	13	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	(†)	(†)	(†)	(†)
Not reported	79	19	60	48	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	2,118	617	257	257	(†)	(†)	(†)	144	545	25	268	33	224	(†)
Research and development	135	(†)	19	19	(†)	(†)	(†)	43	(†)	(†)	14	(†)	59	(†)
Basic research	31	(†)	19	19	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Applied research	74	(†)	(†)	(†)	(†)	(†)	(†)	31	(†)	(†)	14	(†)	29	(†)
Development/design	30	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	18	(†)
Management or administration	382	191	13	13	(†)	(†)	(†)	26	50	(†)	85	(†)	17	(†)
Of R&D	166	67	13	13	(†)	(†)	(†)	26	(†)	(†)	43	(†)	17	(†)
Other than R&D	216	124	(†)	(†)	(†)	(†)	(†)	(†)	50	(†)	42	(†)	(†)	(†)
Teaching	75	(†)	75	75	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	132	132	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	88	54	21	21	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Reporting, statistical work, and computing application	1,251	227	129	129	(†)	(†)	(†)	75	482	13	157	33	135	(†)
Other activities	38	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	13	(†)
Not reported	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)
Computer specialists	14,164	8,579	993	830	27	136	92	642	843	82	626	439	1,868	(†)
Research and development	1,274	1,029	95	95	(†)	(†)	(†)	29	12	(†)	16	36	57	(†)
Basic research	124	(†)	76	76	(†)	(†)	(†)	16	12	(†)	(†)	(†)	20	(†)
Applied research	65	32	19	19	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)
Development/design	1,085	997	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	16	36	23	(†)
Management or administration	1,919	1,230	163	134	(†)	29	(†)	13	178	(†)	196	16	123	(†)
Of R&D	520	327	50	34	(†)	16	(†)	13	43	(†)	36	(†)	51	(†)
Other than R&D	1,399	903	113	100	(†)	13	(†)	(†)	135	(†)	160	16	72	(†)
Teaching	648	311	286	219	12	55	(†)	(†)	(†)	(†)	(†)	51	(†)	(†)
Production/inspection	548	295	(†)	(†)	(†)	(†)	(†)	131	(†)	(†)	(†)	51	71	(†)
Consulting	902	437	19	(†)	(†)	19	(†)	65	25	(†)	36	19	301	(†)
Reporting, statistical work, and computing application	8,507	5,087	379	346	(†)	33	92	404	611	82	378	228	1,246	(†)
Other activities	269	156	36	36	(†)	(†)	(†)	(†)	17	(†)	(†)	38	22	(†)
Not reported	97	34	15	(†)	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	48	(†)

Table B-8—Con.

			Educational institutions											
Field and primary work activity	Total	Business and industry	Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Environmental scientists	7,954	3,707	1,335	1,069	230	36	(†)	83	1,689	(†)	490	134	502	14
Research and development	2,526	874	538	525	(†)	13	(†)	35	762	(†)	133	24	160	(†)
Basic research	637	76	220	220	(†)	(†)	(†)	21	271	(†)	25	12	12	(†)
Applied research	1,531	562	289	289	(†)	(†)	(†)	14	419	(†)	99	12	136	(†)
Development/design	358	236	29	16	(†)	13	(†)	(†)	72	(†)	9	(†)	12	(†)
Management or adminsitration	1,720	857	79	79	(†)	(†)	(†)	36	408	(†)	191	61	88	(†)
Of R&D	490	222	27	27	(†)	(†)	(†)	36	97	(†)	71	25	12	(†)
Other than R&D	1,230	635	52	52	(†)	(†)	(†)	(†)	311	(†)	120	36	76	(†)
Teaching	694	13	670	417	230	23	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)
Production/inspection	517	342	11	11	(†)	(†)	(†)	(†)	87	(†)	38	(†)	39	(†)
Consulting	922	718	(†)	(†)	(†)	(†)	(†)	(†)	105	(†)	38	12	49	(†)
Reporting, statistical work, and computing application	543	233	37	37	(†)	(†)	(†)	(†)	169	(†)	53	13	38	(†)
Other activities	905	579	(†)	(†)	(†)	(†)	(†)	12	136	(†)	26	24	128	(†)
Not reported	127	91	(†)	(†)	(†)	(†)	(†)	(†)	22	(†)	(†)	(†)	(†)	14
Earth scientists	6,548	3,467	1,063	809	230	24	(†)	50	948	(†)	421	134	451	14
Research and development	1,908	845	390	377	(†)	13	(†)	26	388	(†)	100	24	135	(†)
Basic research	573	76	203	203	(†)	(†)	(†)	12	233	(†)	25	12	12	(†)
Applied research	1,022	533	158	158	(†)	(†)	(†)	14	119	(†)	75	12	111	(†)
Development/design	313	236	29	16	(†)	13	(†)	(†)	36	(†)	(†)	(†)	12	(†)
Management or adminsitration	1,411	832	27	27	(†)	(†)	(†)	12	222	(†)	169	61	88	(†)
Of R&D	397	222	27	27	(†)	(†)	(†)	12	37	(†)	62	25	12	(†)
Other than R&D	1,014	610	(†)	(†)	(†)	(†)	(†)	(†)	185	(†)	107	36	76	(†)
Teaching	635	13	611	370	230	11	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)
Production/inspection	428	304	11	11	(†)	(†)	(†)	(†)	50	(†)	24	(†)	39	(†)
Consulting	796	613	(†)	(†)	(†)	(†)	(†)	(†)	96	(†)	38	12	37	(†)
Reporting, statistical work, and computing application	449	216	24	24	(†)	(†)	(†)	(†)	119	(†)	53	13	24	(†)
Other activities	815	565	(†)	(†)	(†)	(†)	(†)	12	60	(†)	26	24	128	(†)
Not reported	106	79	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	14
Oceanographers	390	25	88	88	(†)	(†)	(†)	9	225	(†)	43	(†)	(†)	(†)
Research and development	253	13	75	75	(†)	(†)	(†)	9	135	(†)	21	(†)	(†)	(†)
Basic research	52	(†)	17	17	(†)	(†)	(†)	9	26	(†)	(†)	(†)	(†)	(†)
Applied research	156	13	58	58	(†)	(†)	(†)	(†)	73	(†)	12	(†)	(†)	(†)
Development/design	45	(†)	(†)	(†)	(†)	(†)	(†)	(†)	36	(†)	9	(†)	(†)	(†)
Management or administration	68	(†)	(†)	(†)	(†)	(†)	(†)	(†)	46	(†)	22	(†)	(†)	(†)
Of R&D	33	(†)	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	9	(†)	(†)	(†)
Other than R&D	35	(†)	(†)	(†)	(†)	(†)	(†)	(†)	22	(†)	13	(†)	(†)	(†)
Teaching	13	(†)	13	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	9	(†)	(†)	(†)	(†)	(†)	(†)	(†)	9	(†)	(†)	(†)	(†)	(†)
Reporting, statistical work, and computing application	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Other activities	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)	(†)	(†)	(†)	(†)
Not reported	21	12	(†)	(†)	(†)	(†)	(†)	(†)	9	(†)	(†)	(†)	(†)	(†)

Table B-8–Con.

			Educational institutions											
Field and primary work activity	Total	Business and industry	Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Atmospheric scientists	1,016	215	184	172	(†)	12	(†)	24	516	(†)	26	(†)	51	(†)
Research and development	365	16	73	73	(†)	(†)	(†)	(†)	239	(†)	12	(†)	25	(†)
Basic research	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Applied research	353	16	73	73	(†)	(†)	(†)	(†)	227	(†)	12	(†)	25	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	241	25	52	52	(†)	(†)	(†)	24	140	(†)	(†)	(†)	(†)	(†)
Of R&D	60	(†)	(†)	(†)	(†)	(†)	(†)	24	36	(†)	(†)	(†)	(†)	(†)
Other than R&D	181	25	52	52	(†)	(†)	(†)	(†)	104	(†)	(†)	(†)	(†)	(†)
Teaching	46	(†)	46	34	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	89	38	(†)	(†)	(†)	(†)	(†)	(†)	37	(†)	14	(†)	(†)	(†)
Consulting	117	105	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Reporting, statistical work, and computing application	82	17	13	13	(†)	(†)	(†)	(†)	38	(†)	(†)	(†)	14	(†)
Other activities	76	14	(†)	(†)	(†)	(†)	(†)	(†)	62	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	138,175	94,140	6,113	4,736	1,065	312	198	4,244	12,078	343	7,602	2,706	10,530	221
Research and development	53,519	39,485	1,177	1,063	(†)	114	(†)	1,635	3,779	67	1,870	791	4,715	(†)
Basic research	1,112	543	216	157	(†)	59	(†)	(†)	109	(†)	74	(†)	170	(†)
Applied research	7,139	3,447	519	464	(†)	55	(†)	621	1,150	16	302	104	980	(†)
Development/design	45,268	35,495	442	442	(†)	(†)	(†)	1,014	2,520	51	1,494	687	3,565	(†)
Management or administration	41,569	26,807	1,088	992	60	36	14	1,351	5,104	97	2,966	931	3,211	(†)
Of R&D	19,914	12,115	524	524	(†)	(†)	(†)	849	3,299	28	754	188	2,157	(†)
Other than R&D	21,655	14,692	564	468	60	36	14	502	1,805	69	2,212	743	1,054	(†)
Teaching	3,747	201	3,407	2,353	993	61	(†)	(†)	51	(†)	(†)	74	14	(†)
Production/inspection	12,374	9,151	64	(†)	(†)	64	12	218	1,042	59	826	401	601	(†)
Consulting	10,040	7,307	81	81	(†)	(†)	39	533	699	(†)	615	148	618	(†)
Reporting, statistical work, and computing application	8,782	5,625	40	40	(†)	(†)	133	377	950	15	649	197	796	(†)
Other activities	5,950	4,298	88	88	(†)	(†)	(†)	103	298	105	520	104	424	(†)
Not reported	2,204	1,266	168	119	12	37	(†)	27	155	(†)	156	60	151	221
Life scientists	15,263	2,474	6,333	4,206	1,715	412	219	453	2,712	52	1,898	52	925	145
Research and development	3,677	487	1,303	1,303	(†)	(†)	57	112	987	12	392	15	312	(†)
Basic research	1,432	38	809	809	(†)	(†)	(†)	25	412	(†)	71	(†)	77	(†)
Applied research	1,908	246	483	483	(†)	(†)	57	87	538	12	321	(†)	164	(†)
Development/design	337	203	11	11	(†)	(†)	(†)	(†)	37	(†)	(†)	15	71	(†)
Management or administration	3,511	930	491	298	193	(†)	80	63	873	23	733	(†)	318	(†)
Of R&D	1,372	282	52	52	(†)	(†)	68	63	325	(†)	364	(†)	218	(†)
Other than R&D	2,139	648	439	246	193	(†)	12	(†)	548	23	369	(†)	100	(†)
Teaching	4,111	(†)	3,835	2,018	1,463	354	16	75	107	(†)	78	(†)	(†)	(†)
Production/inspection	975	450	121	121	(†)	(†)	(†)	11	219	17	60	(†)	97	(†)
Consulting	905	209	225	201	24	(†)	66	23	83	(†)	181	24	82	12
Reporting, statistical work, and computing application	775	140	48	48	(†)	(†)	(†)	12	230	(†)	246	13	86	(†)
Other activities	748	218	187	129	(†)	58	(†)	12	177	(†)	124	(†)	30	(†)
Not reported	561	40	123	88	35	(†)	(†)	145	36	(†)	84	(†)	(†)	133

Table B-8–Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Biological scientists	8,231	1,200	3,850	2,124	1,352	374	41	215	1,000	41	1,025	28	722	109
Research and development	2,127	359	629	629	(†)	(†)	(†)	112	545	12	237	15	218	(†)
Basic research	974	26	503	503	(†)	(†)	(†)	25	293	(†)	50	(†)	77	(†)
Applied research	934	155	126	126	(†)	(†)	(†)	87	239	12	187	(†)	128	(†)
Development/design	219	178	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	15	13	(†)
Management or administration	1,174	204	86	63	23	(†)	13	63	191	12	347	(†)	258	(†)
Of R&D	735	166	13	13	(†)	(†)	13	63	141	(†)	181	(†)	158	(†)
Other than R&D	439	38	73	50	23	(†)	(†)	(†)	50	12	166	(†)	100	(†)
Teaching	2,873	(†)	2;833	1,223	1,294	316	16	11	13	(†)	(†)	(†)	(†)	(†)
Production/inspection	632	357	63	63	(†)	(†)	(†)	(†)	61	17	48	(†)	86	(†)
Consulting	343	60	88	88	(†)	(†)	12	(†)	25	(†)	89	13	56	(†)
Reporting, statistical work, and computing application	352	30	23	23	(†)	(†)	(†)	(†)	105	(†)	120	(†)	74	(†)
Other activities	463	179	93	35	(†)	58	(†)	(†)	48	(†)	113	(†)	30	(†)
Not reported	267	11	35	(†)	35	(†)	(†)	29	12	(†)	71	(†)	(†)	109
Agricultural scientists	5,171	1,157	1,447	1,314	120	13	(†)	46	1,572	11	800	11	104	23
Research and development	1,229	128	475	475	(†)	(†)	(†)	(†)	403	(†)	142	(†)	81	(†)
Basic research	246	12	133	133	(†)	(†)	(†)	(†)	80	(†)	21	(†)	(†)	(†)
Applied research	865	91	331	331	(†)	(†)	(†)	(†)	299	(†)	121	(†)	23	(†)
Development/design	118	25	11	11	(†)	(†)	(†)	(†)	24	(†)	(†)	(†)	58	(†)
Management or administration	1,788	621	180	73	107	(†)	(†)	(†)	602	11	362	(†)	12	(†)
Of R&D	454	116	39	39	(†)	(†)	(†)	(†)	104	(†)	183	(†)	12	(†)
Other than R&D	1,334	505	141	34	107	(†)	(†)	(†)	498	11	179	(†)	(†)	(†)
Teaching	625	(†)	467	441	13	13	(†)	(†)	94	(†)	64	(†)	(†)	(†)
Production/inspection	331	81	58	58	(†)	(†)	(†)	11	158	(†)	12	(†)	11	(†)
Consulting	396	149	73	73	(†)	(†)	(†)	23	58	(†)	70	11	(†)	12
Reporting, statistical work, and computing application	365	110	25	25	(†)	(†)	(†)	(†)	104	(†)	126	(†)	(†)	(†)
Other activities	285	39	94	94	(†)	(†)	(†)	12	129	(†)	11	(†)	(†)	(†)
Not reported	152	29	75	75	(†)	(†)	(†)	(†)	24	(†)	13	(†)	(†)	11
Medical scientists	1,861	117	1,036	768	243	25	178	192	140	(†)	73	13	99	13
Research and development	321	(†)	199	199	(†)	(†)	57	(†)	39	(†)	13	(†)	13	(†)
Basic research	212	(†)	173	173	(†)	(†)	(†)	(†)	39	(†)	(†)	(†)	(†)	(†)
Applied research	109	(†)	26	26	(†)	(†)	57	(†)	(†)	(†)	13	(†)	13	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	549	105	225	162	63	(†)	67	(†)	80	(†)	24	(†)	48	(†)
Of R&D	183	(†)	(†)	(†)	(†)	(†)	55	(†)	80	(†)	(†)	(†)	48	(†)
Other than R&D	366	105	225	162	63	(†)	12	(†)	(†)	(†)	24	(†)	(†)	(†)
Teaching	613	(†)	535	354	156	25	(†)	64	(†)	(†)	14	(†)	(†)	(†)
Production/inspection	12	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	166	(†)	64	40	24	(†)	54	(†)	(†)	(†)	22	(†)	26	(†)
Reporting, statistical work, and computing application	58	(†)	(†)	(†)	(†)	(†)	(†)	12	21	(†)	(†)	13	12	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	142	(†)	13	13	(†)	(†)	(†)	116	(†)	(†)	(†)	(†)	(†)	13

Table B-8—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Psychologists	10,092	616	5,499	1,558	414	3,527	1,437	500	257	16	1,153	29	561	24
Research and development	656	63	148	122	(†)	26	115	62	54	16	157	(†)	41	(†)
Basic research	248	11	85	85	(†)	(†)	14	14	14	16	94	(†)	(†)	(†)
Applied research	369	39	50	37	(†)	13	101	48	27	(†)	63	(†)	41	(†)
Development/design	39	13	13	(†)	(†)	13	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Management or administration	1,284	193	407	194	(†)	213	273	67	101	(†)	191	(†)	52	(†)
Of R&D	534	44	195	143	(†)	52	29	41	87	(†)	126	(†)	12	(†)
Other than R&D	750	149	212	51	(†)	161	244	26	14	(†)	65	(†)	40	(†)
Teaching	1,796	(†)	1,563	876	387	300	41	26	16	(†)	93	(†)	57	(†)
Production/inspection	105	92	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	5,418	199	2,964	271	27	2,666	981	254	59	(†)	578	29	354	(†)
Reporting, statistical work, and computing application	328	26	128	(†)	(†)	128	(†)	65	27	(†)	54	(†)	28	(†)
Other activities	295	43	157	14	(†)	143	14	13	(†)	(†)	55	(†)	13	(†)
Not reported	210	(†)	132	81	(†)	51	(†)	13	(†)	(†)	25	(†)	16	24
Social scientists	12,754	1,693	4,226	3,193	795	238	322	1,558	1,887	(†)	2,376	172	505	15
Research and development	1,715	183	475	475	(†)	(†)	(†)	192	491	(†)	245	47	82	(†)
Basic research	473	(†)	194	194	(†)	(†)	(†)	106	116	(†)	47	10	(†)	(†)
Applied research	1,033	145	281	281	(†)	(†)	(†)	69	293	(†)	181	37	27	(†)
Development/design	209	38	(†)	(†)	(†)	(†)	(†)	17	82	(†)	17	(†)	55	(†)
Management or administration	3,554	619	465	273	163	29	27	718	620	(†)	882	88	135	(†)
Of R&D	1,254	146	200	185	(†)	15	(†)	183	413	(†)	184	33	95	(†)
Other than R&D	2,300	473	265	88	163	14	27	535	207	(†)	698	55	40	(†)
Teaching	2,993	25	2,768	2,190	508	70	13	14	(†)	(†)	173	(†)	(†)	(†)
Production/inspection	203	81	109	(†)	109	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	1,304	175	145	64	(†)	81	269	249	77	(†)	243	(†)	146	(†)
Reporting, statistical work, and computing application	1,927	341	168	135	(†)	33	(†)	131	553	(†)	572	20	142	(†)
Other activities	910	253	40	28	(†)	12	(†)	254	98	(†)	248	17	(†)	(†)
Not reported	148	16	56	28	15	13	(†)	(†)	48	(†)	13	(†)	(†)	15
Economists	4,909	1,276	1,137	957	164	16	(†)	153	1,294	(†)	643	126	265	15
Research and development	898	183	180	180	(†)	(†)	(†)	70	265	(†)	108	37	55	(†)
Basic research	114	(†)	13	13	(†)	(†)	(†)	(†)	85	(†)	16	(†)	(†)	(†)
Applied research	607	145	167	167	(†)	(†)	(†)	53	113	(†)	92	37	(†)	(†)
Development/design	177	38	(†)	(†)	(†)	(†)	(†)	17	67	(†)	(†)	(†)	55	(†)
Management or administration	1,295	484	131	63	68	(†)	(†)	50	415	(†)	85	52	78	(†)
Of R&D	607	133	15	15	(†)	(†)	(†)	33	263	(†)	69	33	61	(†)
Other than R&D	688	351	116	48	68	(†)	(†)	17	152	(†)	16	19	17	(†)
Teaching	793	(†)	755	658	81	16	(†)	(†)	(†)	(†)	38	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	261	131	(†)	(†)	(†)	(†)	(†)	(†)	50	(†)	16	(†)	64	(†)
Reporting, statistical work, and computing application	1,182	313	56	56	(†)	(†)	(†)	17	431	(†)	277	20	68	(†)
Other activities	415	165	(†)	(†)	(†)	(†)	(†)	16	98	(†)	119	17	(†)	(†)
Not reported	65	(†)	15	(†)	15	(†)	(†)	(†)	35	(†)	(†)	(†)	(†)	15

Table B-8—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Sociologists/anthropologists ...	2,518	212	1,412	1,095	277	40	13	336	112	(†)	327	10	96	(†)
Research and development ...	451	(†)	222	222	(†)	(†)	(†)	74	82	(†)	53	10	10	(†)
Basic research	247	(†)	149	149	(†)	(†)	(†)	58	15	(†)	15	10	(†)	(†)
Applied research	204	(†)	73	73	(†)	(†)	(†)	16	67	(†)	38	(†)	10	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	365	(†)	188	79	95	14	13	79	16	(†)	57	(†)	12	(†)
Of R&D	203	(†)	66	66	(†)	(†)	(†)	64	16	(†)	57	(†)	(†)	(†)
Other than R&D	162	(†)	122	13	95	14	13	15	(†)	(†)	(†)	(†)	12	(†)
Teaching	1,108	13	960	752	182	26	(†)	14	(†)	(†)	121	(†)	(†)	(†)
Production/inspection	81	81	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	50	14	(†)	(†)	(†)	(†)	(†)	20	(†)	(†)	16	(†)	(†)	(†)
Reporting, statistical work, and computing application ..	214	13	14	14	(†)	(†)	(†)	30	14	(†)	69	(†)	74	(†)
Other activities	221	75	16	16	(†)	(†)	(†)	119	(†)	(†)	11	(†)	(†)	(†)
Not reported	28	16	12	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	5,327	205	1,677	1,141	354	182	309	1,069	481	(†)	1406	36	144	(†)
Research and development ...	366	(†)	73	73	(†)	(†)	(†)	48	144	(†)	84	(†)	17	(†)
Basic research	112	(†)	32	32	(†)	(†)	(†)	48	16	(†)	16	(†)	(†)	(†)
Applied research	222	(†)	41	41	(†)	(†)	(†)	(†)	113	(†)	51	(†)	17	(†)
Development/design	32	(†)	(†)	(†)	(†)	(†)	(†)	(†)	15	(†)	17	(†)	(†)	(†)
Management or administration	1,894	135	146	131	(†)	15	14	589	189	(†)	740	36	45	(†)
Of R&D	444	13	119	104	(†)	15	(†)	86	134	(†)	58	(†)	34	(†)
Other than R&D	1,450	122	27	27	(†)	(†)	14	503	55	(†)	682	36	11	(†)
Teaching	1,092	12	1,053	780	245	28	13	(†)	(†)	(†)	14	(†)	(†)	(†)
Production/inspection	122	(†)	109	(†)	109	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	993	30	145	64	(†)	81	269	229	27	(†)	211	(†)	82	(†)
Reporting, statistical work, and computing application ..	531	15	98	65	(†)	33	(†)	84	108	(†)	226	(†)	(†)	(†)
Other activities	274	13	24	12	(†)	12	(†)	119	(†)	(†)	118	(†)	(†)	(†)
Not reported	55	(†)	29	16	(†)	13	(†)	(†)	13	(†)	13	(†)	(†)	(†)

(†) No cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-9.—Number of bachelor's degree scientists and engineers by field, primary work activity, and type of employer: 1974

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Total, all fields	579,191	386,607	11,845	9,137	1,049	1,659	1,951	10,596	60,952	2,216	48,357	13,498	41,821	1,348
Research and development	158,526	113,399	3,215	3,149	(†)	66	553	3,204	14,818	375	7,685	2,834	12,443	(†)
Basic research	7,739	1,418	1,960	1,906	(†)	54	340	714	1,690	(†)	585	106	926	(†)
Applied research	15,646	6,943	492	480	(†)	12	200	836	3,361	15	1,113	169	2,517	(†)
Development/design	135,141	105,038	763	763	(†)	(†)	13	1,654	9,767	360	5,987	2,559	9,000	(†)
Management or administration	178,642	115,971	1,925	1,483	74	365	293	3,256	22,455	524	18,267	4,051	11,903	(†)
Of R&D	51,920	32,142	771	671	(†)	100	81	1,357	8,256	191	3,800	771	4,551	(†)
Other than R&D	126,722	83,829	1,151	812	74	265	212	1,899	14,199	333	14,467	3,280	7,352	(†)
Teaching	6,160	1,466	3,877	2,401	951	525	53	154	181	14	138	(†)	287	(†)
Production/inspection	102,049	74,104	520	352	(†)	168	106	1,069	7,002	694	7,627	3,134	7,793	(†)
Consulting	35,694	25,302	503	133	(†)	370	505	630	2,976	116	2,806	1,175	1,681	(†)
Reporting, statistical work, and computing application	58,543	32,988	1,526	1,373	(†)	153	346	1,704	8,258	236	6,484	1,751	5,236	14
Other activities	28,093	15,972	256	232	12	12	18	431	4,354	257	4,233	394	2,178	(†)
Not reported	11,484	7,405	26	14	12	(†)	77	148	908	(†)	1,127	159	300	1,334
Physical scientists	39,854	23,985	2,177	1,799	35	43	318	720	4,430	12	3,119	448	4,719	226
Research and development	15,153	8,358	1,236	1,236	(†)	(†)	112	474	1,990	(†)	521	186	2,276	(†)
Basic research	3,331	575	1,105	1,105	(†)	(†)	49	220	659	(†)	219	52	452	(†)
Applied research	4,937	2,414	95	95	(†)	(†)	50	203	1,010	(†)	236	25	904	(†)
Development/design	6,885	5,369	36	36	(†)	(†)	13	51	321	(†)	66	109	920	(†)
Management or administration	10,652	7,495	63	63	(†)	(†)	52	191	1,138	(†)	443	100	1,170	(†)
Of R&D	5,921	4,130	63	63	(†)	(†)	28	62	638	(†)	209	25	766	(†)
Other than R&D	4,731	3,365	(†)	(†)	(†)	(†)	24	129	500	(†)	234	75	404	(†)
Teaching	526	107	386	308	35	43	(†)	(†)	8	(†)	(†)	(†)	25	(†)
Production/inspection	8,880	6,115	56	56	(†)	(†)	52	12	533	12	1,023	162	915	(†)
Consulting	786	383	(†)	(†)	(†)	(†)	62	(†)	101	(†)	145	(†)	95	(†)
Reporting, statistical work, and computing application	1,229	314	112	112	(†)	(†)	(†)	43	320	(†)	267	(†)	173	(†)
Other activities	1,615	650	24	24	(†)	(†)	(†)	(†)	305	(†)	571	(†)	65	(†)
Not reported	1,013	563	(†)	(†)	(†)	(†)	40	(†)	35	(†)	149	(†)	(†)	226
Chemists	33,069	21,707	1,053	1,023	(†)	30	289	568	2,432	(†)	2,311	388	4,111	210
Research and development	12,557	7,693	688	688	(†)	(†)	99	360	1,211	(†)	314	163	2,029	(†)
Basic research	2,448	510	568	568	(†)	(†)	49	208	571	(†)	74	42	416	(†)
Applied research	3,934	2,238	95	95	(†)	(†)	50	125	485	(†)	174	13	754	(†)
Development/design	6,175	4,945	25	25	(†)	(†)	(†)	27	155	(†)	66	98	859	(†)
Management or administration	8,276	6,284	(†)	(†)	(†)	(†)	52	165	383	(†)	298	63	1,031	(†)
Of R&D	4,780	3,741	(†)	(†)	(†)	(†)	28	36	210	(†)	100	(†)	665	(†)
Other than R&D	3,496	2,543	(†)	(†)	(†)	(†)	24	129	173	(†)	198	63	366	(†)
Teaching	405	107	243	243	(†)	30	(†)	(†)	(†)	(†)	(†)	(†)	25	(†)
Production/inspection	8,312	5,890	31	31	(†)	(†)	52	(†)	468	(†)	941	162	768	(†)
Consulting	530	322	(†)	(†)	(†)	(†)	62	(†)	25	(†)	51	(†)	70	(†)
Reporting, statistical work, and computing application	596	250	37	37	(†)	(†)	(†)	43	81	(†)	50	(†)	135	(†)
Other activities	1,435	611	24	24	(†)	(†)	(†)	(†)	239	(†)	508	(†)	53	(†)
Not reported	958	550	(†)	(†)	(†)	(†)	24	(†)	25	(†)	149	(†)	(†)	210

Table B-9—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Physicists/astronomers	4,337	1,798	789	741	35	13	29	152	966	12	155	11	425	(†)
Research and development	1,922	502	525	525	(†)	(†)	13	114	500	(†)	106	11	151	(†)
Basic research	695	13	525	525	(†)	(†)	(†)	12	63	(†)	70	(†)	12	(†)
Applied research	688	151	(†)	(†)	(†)	(†)	(†)	78	309	(†)	36	(†)	114	(†)
Development/design	539	338	(†)	(†)	(†)	(†)	13	24	128	(†)	(†)	11	25	(†)
Management or administration	1,547	957	63	63	(†)	(†)	(†)	26	387	(†)	(†)	(†)	114	(†)
Of R&D	758	282	63	63	(†)	(†)	(†)	26	299	(†)	(†)	(†)	88	(†)
Other than R&D	789	675	(†)	(†)	(†)	(†)	(†)	(†)	88	(†)	(†)	(†)	26	(†)
Teaching	113	(†)	113	65	35	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	410	201	13	13	(†)	(†)	(†)	12	27	12	23	(†)	122	(†)
Consulting	111	61	(†)	(†)	(†)	(†)	(†)	(†)	23	(†)	14	(†)	13	(†)
Reporting, statistical work, and computing application	165	64	75	75	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	13	(†)
Other activities	40	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16	(†)	12	(†)	12	(†)
Not reported	29	13	(†)	(†)	(†)	(†)	16	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	2,448	480	35	35	(†)	(†)	(†)	(†)	1,032	(†)	653	49	183	16
Research and development	674	163	23	23	(†)	(†)	(†)	(†)	279	(†)	101	12	96	(†)
Basic research	188	52	12	12	(†)	(†)	(†)	(†)	25	(†)	75	(†)	24	(†)
Applied research	315	25	(†)	(†)	(†)	(†)	(†)	(†)	216	(†)	26	12	36	(†)
Development/design	171	86	11	11	(†)	(†)	(†)	(†)	38	(†)	(†)	(†)	36	(†)
Management or administration	829	254	(†)	(†)	(†)	(†)	(†)	(†)	368	(†)	145	37	25	(†)
Of R&D	383	107	(†)	(†)	(†)	(†)	(†)	(†)	129	(†)	109	25	13	(†)
Other than R&D	446	147	(†)	(†)	(†)	(†)	(†)	(†)	239	(†)	36	12	12	(†)
Teaching	8	(†)	(†)	(†)	(†)	(†)	(†)	(†)	8	(†)	(†)	(†)	(†)	(†)
Production/inspection	158	24	(†)	12	(†)	(†)	(†)	(†)	38	(†)	59	(†)	25	(†)
Consulting	145	(†)	(†)	(†)	(†)	(†)	(†)	(†)	53	(†)	80	(†)	12	(†)
Reporting, statistical work, and computing application	468	(†)	(†)	(†)	(†)	(†)	(†)	(†)	226	(†)	217	(†)	25	(†)
Other activities	140	39	(†)	(†)	(†)	(†)	(†)	(†)	50	(†)	51	(†)	(†)	(†)
Not reported	26	(†)	(†)	(†)	(†)	(†)	(†)	(†)	10	(†)	(†)	(†)	(†)	16
Mathematical scientists	7,532	3,029	390	240	82	68	39	247	1,839	77	968	104	756	83
Research and development	560	57	(†)	(†)	(†)	(†)	(†)	41	260	(†)	48	(†)	154	(†)
Basic research	192	13	(†)	(†)	(†)	(†)	(†)	(†)	49	(†)	37	(†)	93	(†)
Applied research	232	27	(†)	(†)	(†)	(†)	(†)	41	140	(†)	11	(†)	13	(†)
Development/design	136	17	(†)	(†)	(†)	(†)	(†)	(†)	71	(†)	(†)	(†)	48	(†)
Management or administration	2,804	1,679	121	107	(†)	14	12	150	495	31	25	13	278	(†)
Of R&D	1,084	524	47	33	(†)	14	(†)	85	255	18	12	13	130	(†)
Other than R&D	1,720	1,155	74	74	(†)	(†)	12	65	240	13	13	(†)	143	(†)
Teaching	201	(†)	201	119	82	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	606	401	(†)	(†)	(†)	(†)	(†)	(†)	31	32	113	(†)	29	(†)
Consulting	174	39	(†)	(†)	(†)	(†)	(†)	(†)	54	(†)	38	14	29	(†)
Reporting, statistical work, and computing application	2,772	625	68	14	(†)	54	27	56	947	14	692	77	252	14
Other activities	177	71	(†)	(†)	(†)	(†)	(†)	(†)	40	(†)	52	(†)	14	(†)
Not reported	238	157	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	69

Table B-9—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Nonprofit organization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Mathematicians	4,931	2,235	322	226	82	14	(†)	206	1,127	50	296	49	591	55
Research and development	521	44	(†)	(†)	(†)	(†)	(†)	41	247	(†)	48	(†)	141	(†)
Basic research	166	(†)	(†)	(†)	(†)	(†)	(†)	(†)	49	(†)	37	(†)	80	(†)
Applied research	232	27	(†)	(†)	(†)	(†)	(†)	41	140	(†)	11	(†)	13	(†)
Development/design	123	17	(†)	(†)	(†)	(†)	(†)	(†)	58	(†)	(†)	(†)	48	(†)
Management or administration	2,408	1,476	121	107	(†)	14	(†)	150	314	31	25	13	278	(†)
Of R&D	912	403	47	33	(†)	14	(†)	85	204	18	12	13	130	(†)
Other than R&D	1,496	1,073	74	74	(†)	(†)	(†)	65	110	13	13	(†)	148	(†)
Teaching	201	(†)	201	119	82	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	452	330	(†)	(†)	(†)	(†)	(†)	(†)	13	19	61	(†)	29	(†)
Consulting	108	29	(†)	(†)	(†)	(†)	(†)	(†)	37	(†)	25	(†)	17	(†)
Reporting, statistical work, and computing application	977	199	(†)	(†)	(†)	(†)	(†)	15	464	(†)	137	36	126	(†)
Other activities	40	(†)	(†)	(†)	(†)	(†)	(†)	(†)	40	(†)	(†)	(†)	(†)	(†)
Not reported	224	157	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	55
Statisticians	2,601	794	68	14	(†)	54	39	41	712	27	672	55	165	28
Research and development	39	13	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	13	(†)
Basic research	26	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Management or administration	396	203	(†)	(†)	(†)	(†)	12	(†)	181	(†)	(†)	(†)	(†)	(†)
Of R&D	172	121	(†)	(†)	(†)	(†)	(†)	(†)	51	(†)	(†)	(†)	(†)	(†)
Other than R&D	224	82	(†)	(†)	(†)	(†)	12	(†)	130	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	154	71	(†)	(†)	(†)	(†)	(†)	(†)	18	13	52	(†)	(†)	(†)
Consulting	66	10	(†)	(†)	(†)	(†)	(†)	(†)	17	(†)	13	14	12	(†)
Reporting, statistical work, and computing application	1,795	426	68	14	(†)	54	27	41	483	14	555	41	126	14
Other activities	137	71	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	52	(†)	14	(†)
Not reported	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14
Computer specialists	36,195	22,844	1,290	1,103	87	100	275	908	2,800	177	2,068	1,579	4,143	111
Research and development	1,292	877	27	27	(†)	(†)	(†)	(†)	71	33	83	87	114	(†)
Basic research	37	37	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	88	13	(†)	(†)	(†)	(†)	(†)	(†)	30	(†)	45	(†)	(†)	(†)
Development/design	1,167	827	27	27	(†)	(†)	(†)	(†)	41	33	38	87	114	(†)
Management or administration	4,543	2,605	172	142	13	17	38	134	307	17	274	142	854	(†)
Of R&D	1,518	848	48	31	(†)	17	22	69	138	(†)	67	33	293	(†)
Other than R&D	3,025	1,757	124	111	13	(†)	16	65	169	17	207	109	561	(†)
Teaching	449	292	123	49	74	(†)	(†)	17	17	(†)	(†)	(†)	(†)	(†)
Production/inspection	793	509	(†)	(†)	(†)	(†)	(†)	13	124	(†)	77	(†)	70	(†)
Consulting	2,278	1,437	34	34	(†)	(†)	18	53	101	41	57	179	358	(†)
Reporting, statistical work, and computing application	25,736	16,517	914	831	(†)	83	219	691	2,122	86	1,577	1,120	2,490	(†)
Other activities	810	456	20	20	(†)	(†)	(†)	(†)	42	(†)	(†)	51	241	(†)
Not reported	294	151	(†)	(†)	(†)	(†)	(†)	(†)	16	(†)	(†)	(†)	16	111

Table B-9--Con.

Field and primary work activity	Total	Business and industry	Educational institutions: Total	Educational institutions: 4-year college/ university	Educational institutions: 2-year college	Educational institutions: Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Environmental scientists	12,264	6,091	619	476	(†)	143	(†)	225	1 972	12	1,308	417	1,620	(†)
Research and development	2,065	1,025	217	217	(†)	(†)	(†)	18	342	(†)	124	37	302	(†)
Basic research	690	250	164	164	(†)	(†)	(†)	18	170	(†)	24	(†)	64	(†)
Applied research	992	443	53	53	(†)	(†)	(†)	(†)	160	(†)	86	24	226	(†)
Development/design	383	332	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	14	13	12	(†)
Management or administration	3,381	1,911	80	80	(†)	(†)	(†)	133	321	(†)	346	72	578	(†)
Of R&D	927	551	52	52	(†)	(†)	(†)	98	119	(†)	36	11	60	(†)
Other than R&D	2,454	1,360	28	28	(†)	(†)	(†)	35	202	(†)	310	61	458	(†)
Teaching	334	(†)	322	179	(†)	143	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)
Production/inspection	1,490	819	(†)	(†)	(†)	(†)	(†)	(†)	369	12	215	63	12	(†)
Consulting	1,640	1,042	(†)	(†)	(†)	(†)	(†)	(†)	164	(†)	97	121	216	(†)
Reporting, statistical work, and computing application	1,324	432	(†)	(†)	(†)	(†)	(†)	62	454	(†)	173	25	178	(†)
Other activities	1,635	702	(†)	(†)	(†)	(†)	(†)	12	195	(†)	296	62	368	(†)
Not reported	395	160	(†)	(†)	(†)	(†)	(†)	(†)	127	(†)	45	37	26	(†)
Earth scientists	10,842	5,975	555	412	(†)	143	(†)	151	1,220	12	1,049	417	1,463	(†)
Research and development	1,936	1,025	164	164	(†)	(†)	(†)	18	292	(†)	98	37	302	(†)
Basic research	663	250	137	137	(†)	(†)	(†)	18	170	(†)	24	(†)	64	(†)
Applied research	890	443	27	27	(†)	(†)	(†)	(†)	110	(†)	60	24	226	(†)
Development/design	383	332	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	14	13	12	(†)
Management or administration	3,113	1,846	80	80	(†)	(†)	(†)	133	143	(†)	321	72	518	(†)
Of R&D	868	539	52	52	(†)	(†)	(†)	98	72	(†)	36	11	60	(†)
Other than R&D	2,245	1,307	28	28	(†)	(†)	(†)	35	71	(†)	285	61	458	(†)
Teaching	323	(†)	311	168	(†)	143	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)
Production/inspection	1,242	806	(†)	(†)	(†)	(†)	(†)	(†)	172	12	177	63	12	(†)
Consulting	1,566	1,030	(†)	(†)	(†)	(†)	(†)	(†)	152	(†)	72	121	191	(†)
Reporting, statistical work, and computing application	960	418	(†)	(†)	(†)	(†)	(†)	(†)	253	(†)	100	25	164	(†)
Other activities	1,319	690	(†)	(†)	(†)	(†)	(†)	(†)	93	(†)	224	62	250	(†)
Not reported	383	160	(†)	(†)	(†)	(†)	(†)	(†)	115	(†)	45	37	26	(†)
Oceanographers	148	(†)	24	24	(†)	(†)	(†)	(†)	61	(†)	63	(†)	(†)	(†)
Research and development	26	(†)	13	13	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Basic research	13	(†)	13	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management of administration	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Of R&D	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	11	(†)	11	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)
Consulting	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)
Reporting, statistical work, and computing application	61	(†)	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	37	(†)	(†)	(†)
Other activities	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-9—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/clinic	Nonprofit organization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/university	2-year college	Other								
Atmospheric scientists	1,274	116	40	40	(†)	(†)	(†)	74	691	(†)	196	(†)	157	(†)
Research and development	103	(†)	40	40	(†)	(†)	(†)	(†)	37	(†)	26	(†)	(†)	(†)
Basic research	14	(†)	14	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	89	(†)	26	26	(†)	(†)	(†)	(†)	37	(†)	26	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	256	65	(†)	(†)	(†)	(†)	(†)	(†)	166	(†)	25	(†)	(†)	(†)
Of R&D	47	12	(†)	(†)	(†)	(†)	(†)	(†)	35	(†)	(†)	(†)	(†)	(†)
Other than R&D	209	53	(†)	(†)	(†)	(†)	(†)	(†)	131	(†)	25	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	235	13	(†)	(†)	(†)	(†)	(†)	(†)	197	(†)	25	(†)	(†)	(†)
Consulting	61	12	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	12	(†)	25	(†)
Reporting, statistical work, and computing application	303	14	(†)	(†)	(†)	(†)	(†)	62	177	(†)	36	(†)	14	(†)
Other activities	304	12	(†)	(†)	(†)	(†)	(†)	12	90	(†)	72	(†)	118	(†)
Not reported	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Engineers	447,118	318,845	4,071	2,745	648	678	327	7,000	40,947	1,927	35,367	10,344	27,830	460
Research and development	134,857	102,268	959	947	(†)	12	(†)	2,194	11,098	342	6,450	2,495	9,051	(†)
Basic research	1,357	482	87	87	(†)	(†)	(†)	155	357	(†)	107	25	144	(†)
Applied research	7,541	3,698	172	160	(†)	12	(†)	436	1,515	15	509	120	1,076	(†)
Development/design	125,959	98,088	700	700	(†)	(†)	(†)	1,603	9,226	327	5,834	2,350	7,831	(†)
Management or administration	142,813	96,694	802	538	37	227	122	2,097	16,377	465	14,774	3,473	8,009	(†)
Of R&D	39,901	25,378	299	299	(†)	(†)	(†)	877	6,593	173	2,960	590	3,031	(†)
Other than R&D	102,912	71,316	503	239	37	227	122	1,220	9,784	292	11,814	2,883	4,978	(†)
Teaching	2,921	1,025	1,370	627	599	144	(†)	106	70	14	74	(†)	262	(†)
Production/inspection	84,861	62,703	464	296	(†)	168	54	991	5,113	638	6,046	2,711	6,141	(†)
Consulting	27,563	21,775	99	(†)	(†)	99	97	455	1,718	75	1,660	850	834	(†)
Reporting, statistical work, and computing application	24,505	14,708	193	177	(†)	16	17	764	3,220	136	3,180	426	1,861	(†)
Other activities	21,114	13,421	158	146	(†)	12	(†)	365	2,717	257	2,515	267	1,414	(†)
Not reported	8,484	6,251	26	14	12	(†)	37	28	634	(†)	668	122	258	460
Life scientists	23,172	6,863	1,698	1,330	161	207	583	668	7,470	11	3,614	240	1,964	61
Research and development	3,547	666	592	592	(†)	(†)	359	231	843	(†)	362	29	465	(†)
Basic research	1,628	61	453	453	(†)	(†)	209	231	371	(†)	101	29	173	(†)
Applied research	1,417	296	139	139	(†)	(†)	150	(†)	389	(†)	226	(†)	217	(†)
Development/design	502	309	(†)	(†)	(†)	(†)	(†)	(†)	83	(†)	35	(†)	75	(†)
Management or administration	9,369	3,075	270	232	(†)	38	12	157	3,312	11	1,864	36	632	(†)
Of R&D	1,450	505	97	97	(†)	(†)	(†)	26	306	(†)	401	24	91	(†)
Other than R&D	7,919	2,570	173	135	(†)	38	12	131	3,006	11	1,463	12	541	(†)
Teaching	862	(†)	697	384	161	152	53	12	74	(†)	26	(†)	(†)	(†)
Production/inspection	3,904	2,174	(†)	(†)	(†)	(†)	(†)	53	819	(†)	153	79	626	(†)
Consulting	2,054	377	17	(†)	(†)	17	76	24	809	(†)	634	11	106	(†)
Reporting, statistical work, and computing application	1,390	108	94	94	(†)	(†)	83	48	733	(†)	179	71	74	(†)
Other activities	1,648	340	28	28	(†)	(†)	(†)	23	812	(†)	370	14	61	(†)
Not reported	398	123	(†)	(†)	(†)	(†)	(†)	120	68	(†)	26	(†)	(†)	61

157

158

Table B-9—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Biological scientists	5,763	1,418	839	686	37	116	181	149	1,054	(†)	1,134	164	812	12
Research and development	1,683	240	268	268	(†)	(†)	121	78	411	(†)	202	29	334	(†)
Basic research	953	61	254	254	(†)	(†)	108	78	244	(†)	62	29	117	(†)
Applied research	540	49	14	14	(†)	(†)	13	(†)	167	(†)	129	(†)	168	(†)
Development/design	190	130	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)	49	(†)
Management or administration	1,607	714	38	26	(†)	12	12	24	199	(†)	494	24	102	(†)
Of R&D	481	86	26	26	(†)	(†)	(†)	12	91	(†)	218	24	24	(†)
Other than R&D	1,126	628	12	(†)	(†)	12	12	12	108	(†)	276	(†)	78	(†)
Teaching	486	(†)	718	307	37	104	(†)	12	(†)	(†)	26	(†)	(†)	(†)
Production/inspection	782	367	(†)	(†)	(†)	(†)	(†)	12	72	(†)	35	52	244	(†)
Consulting	210	(†)	(†)	(†)	(†)	(†)	48	(†)	47	(†)	101	(†)	14	(†)
Reporting, statistical work, and computing application	626	11	68	68	(†)	(†)	(†)	11	276	(†)	144	59	57	(†)
Other activities	301	42	17	17	(†)	(†)	(†)	(†)	49	(†)	132	(†)	61	(†)
Not reported	68	44	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)	12
Agricultural scientists	15,513	5,284	422	351	39	32	(†)	366	6,400	11	2,265	35	681	49
Research and development	1,060	340	115	115	(†)	(†)	(†)	(†)	432	(†)	160	(†)	13	(†)
Basic research	183	(†)	17	17	(†)	(†)	(†)	(†)	127	(†)	39	(†)	(†)	(†)
Applied research	629	199	98	98	(†)	(†)	(†)	(†)	222	(†)	97	(†)	13	(†)
Development/design	248	141	(†)	(†)	(†)	(†)	(†)	(†)	83	(†)	24	(†)	(†)	(†)
Management or administration	7,451	2,361	148	148	(†)	(†)	(†)	133	3,113	11	1,304	12	369	(†)
Of R&D	869	419	13	13	(†)	(†)	(†)	14	215	(†)	183	(†)	25	(†)
Other than R&D	6,582	1,942	135	135	(†)	(†)	(†)	119	2,898	11	1,121	12	344	(†)
Teaching	179	(†)	105	51	39	15	(†)	(†)	74	(†)	(†)	(†)	(†)	(†)
Production/inspection	2,924	1,759	(†)	(†)	(†)	(†)	(†)	41	747	(†)	107	(†)	270	(†)
Consulting	1,598	377	17	(†)	(†)	17	(†)	24	762	(†)	395	11	12	(†)
Reporting, statistical work, and computing application	638	70	26	26	(†)	(†)	(†)	37	441	(†)	35	12	17	(†)
Other activities	1,333	298	11	11	(†)	(†)	(†)	23	763	(†)	238	(†)	(†)	(†)
Not reported	330	79	(†)	(†)	(†)	(†)	(†)	108	68	(†)	26	(†)	(†)	49
Medical scientists	1,896	161	437	293	85	59	402	153	16	(†)	215	41	471	(†)
Research and development	804	86	209	209	(†)	(†)	238	153	(†)	(†)	(†)	(†)	118	(†)
Basic research	492	(†)	182	182	(†)	(†)	101	153	(†)	(†)	(†)	(†)	56	(†)
Applied research	248	48	27	27	(†)	(†)	137	(†)	(†)	(†)	(†)	(†)	36	(†)
Development/design	64	38	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	26	(†)
Management or administration	311	(†)	84	58	(†)	26	(†)	(†)	(†)	(†)	66	(†)	161	(†)
Of R&D	100	(†)	58	58	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	42	(†)
Other than R&D	211	(†)	26	(†)	(†)	26	(†)	(†)	(†)	(†)	66	(†)	119	(†)
Teaching	197	(†)	144	26	85	33	53	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	198	48	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	27	112	(†)
Consulting	246	(†)	(†)	(†)	(†)	(†)	28	(†)	(†)	(†)	138	(†)	80	(†)
Reporting, statistical work, and computing application	126	27	(†)	(†)	(†)	(†)	83	(†)	16	(†)	(†)	(†)	(†)	(†)
Other activities	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-9—Con.

Field and primary work activity	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Psychologists	2,989	1,130	803	484	(†)	319	342	289	53	(†)	187	(†)	133	52
Research and development	421	74	97	97	(†)	(†)	82	140	28	(†)	(†)	(†)	(†)	(†)
Basic research	178	(†)	81	81	(†)	(†)	82	(†)	15	(†)	(†)	(†)	(†)	(†)
Applied research	183	14	16	16	(†)	(†)	(†)	140	13	(†)	(†)	(†)	(†)	(†)
Development/design	60	60	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	902	453	91	39	(†)	52	57	65	(†)	(†)	117	(†)	119	(†)
Of R&D	280	13	52	(†)	(†)	52	31	65	(†)	(†)	(†)	(†)	119	(†)
Other than R&D	622	440	39	39	(†)	(†)	26	(†)	(†)	(†)	117	(†)	(†)	(†)
Teaching	278	(†)	262	249	(†)	13	(†)	(†)	(†)	(†)	16	(†)	(†)	(†)
Production/inspection	369	369	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	808	104	353	99	(†)	254	203	84	12	(†)	38	(†)	14	(†)
Reporting, statistical work, and computing application	29	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	16	(†)	(†)	(†)
Other activities	130	130	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	52	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	52
Social scientists	10,067	3,820	1,097	960	36	101	67	539	1,441	(†)	1,726	366	656	355
Research and development	631	74	87	33	(†)	54	(†)	106	186	(†)	97	(†)	81	(†)
Basic research	326	(†)	70	16	(†)	54	(†)	90	69	(†)	97	(†)	(†)	(†)
Applied research	256	38	17	17	(†)	(†)	(†)	16	104	(†)	(†)	(†)	81	(†)
Development/design	49	36	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Management or administration	4,178	2,059	323	282	24	17	(†)	329	505	(†)	424	215	323	(†)
Of R&D	839	193	113	96	(†)	17	(†)	75	207	(†)	115	75	61	(†)
Other than R&D	3,339	1,866	210	186	24	(†)	(†)	254	298	(†)	309	140	262	(†)
Teaching	589	42	516	486	(†)	30	(†)	19	12	(†)	(†)	(†)	(†)	(†)
Production/inspection	1,146	1,014	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	119	(†)	(†)
Consulting	391	145	(†)	(†)	(†)	(†)	49	14	17	(†)	137	(†)	29	(†)
Reporting, statistical work, and computing application	1,558	284	145	145	(†)	(†)	(†)	40	449	(†)	400	32	208	(†)
Other activities	964	202	26	14	12	(†)	18	31	243	(†)	399	(†)	15	(†)
Not reported	610	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16	(†)	239	(†)	(†)	355
Economists	5,191	2,349	438	397	24	17	18	182	1,026	(†)	479	291	360	48
Research and development	352	40	17	17	(†)	(†)	(†)	32	157	(†)	39	(†)	67	(†)
Basic research	108	(†)	(†)	(†)	(†)	(†)	(†)	16	53	(†)	39	(†)	(†)	(†)
Applied research	225	21	17	17	(†)	(†)	(†)	16	104	(†)	(†)	(†)	67	(†)
Development/design	19	19	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	2,164	1,072	227	186	24	17	(†)	83	363	(†)	81	140	198	(†)
Of R&D	480	161	17	(†)	(†)	17	(†)	65	128	(†)	48	(†)	61	(†)
Other than R&D	1,684	911	210	186	24	(†)	(†)	18	235	(†)	33	140	137	(†)
Teaching	230	17	194	194	(†)	(†)	(†)	19	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	937	818	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	119	(†)	(†)
Consulting	65	(†)	(†)	(†)	(†)	(†)	(†)	(†)	17	(†)	32	(†)	16	(†)
Reporting, statistical work, and computing application	1,007	214	(†)	(†)	(†)	(†)	(†)	30	374	(†)	293	32	64	(†)
Other activities	372	188	(†)	(†)	(†)	(†)	18	18	99	(†)	34	(†)	15	(†)
Not reported	64	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16	(†)	(†)	(†)	(†)	48

Table B-9—Con.

Field and primary work activity	Total	Business and industry	Educational institutions: Total	Educational institutions: 4-year college/ university	Educational institutions: 2-year college	Educational institutions: Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Sociologists/anthropologists . . .	1,348	561	265	265	(†)	(†)	16	127	172	(†)	99	(†)	(†)	108
Research and development . . .	16	(†)	16	16	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	16	(†)	16	16	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	429	253	10	10	(†)	(†)	(†)	117	16	(†)	33	(†)	(†)	(†)
Of R&D	27	17	10	10	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	402	236	(†)	(†)	(†)	(†)	(†)	117	16	(†)	33	(†)	(†)	(†)
Teaching	160	(†)	160	160	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	163	163	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	161	145	(†)	(†)	(†)	(†)	16	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Reporting, statistical work, and computing application . .	87	(†)	65	65	(†)	(†)	(†)	10	12	(†)	(†)	(†)	(†)	(†)
Other activities	224	(†)	14	14	(†)	(†)	(†)	(†)	144	(†)	66	(†)	(†)	(†)
Not reported	108	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	108
Other social scientists	3,528	910	394	298	12	84	33	230	243	(†)	1,148	75	296	199
Research and development . . .	263	34	54	(†)	(†)	54	(†)	74	29	(†)	58	(†)	14	(†)
Basic research	202	(†)	54	(†)	(†)	54	(†)	74	16	(†)	58	(†)	(†)	(†)
Applied research	31	17	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)
Development/design	30	17	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Management or administration	1,585	734	86	86	(†)	(†)	(†)	129	126	(†)	310	75	125	(†)
Of R&D	332	15	86	86	(†)	(†)	(†)	10	79	(†)	67	75	(†)	(†)
Other than R&D	1,253	719	(†)	(†)	(†)	(†)	(†)	119	47	(†)	243	(†)	125	(†)
Teaching	199	25	162	132	(†)	30	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Production/inspection	46	33	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Consulting	165	(†)	(†)	(†)	(†)	(†)	33	14	(†)	(†)	105	(†)	13	(†)
Reporting, statistical work, and computing application . .	464	70	80	80	(†)	(†)	(†)	(†)	63	(†)	107	(†)	144	(†)
Other activities	368	14	12	(†)	12	(†)	(†)	13	(†)	(†)	329	(†)	(†)	(†)
Not reported	438	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	239	(†)	(†)	199

(†) No cases reported

Source: National Science Foundation, National Sample, 1974.

Table B-10.—Number of scientists and engineers by field, highest degree, and critical national interest: 1974

Field and highest degree	Total	Health	Education	Environ-ment/ pollution	Space	Crime prevention	Food	Energy and fuel	Other mineral resources	Community development	Housing	Does not apply	No report
Total, all fields . . .	1,079,698	54,721	18,822	135,225	52,825	6,398	27,431	112,488	11,368	28,537	15,213	467,425	149,245
Doctorate	180,870	25,549	6,595	14,578	5,398	1,411	7,870	13,621	1,616	3,117	409	81,786	18,920
Professional/medical .	3,248	1,085	14	310	110	29	52	148	52	17	(†)	870	561
Master's	242,289	12,110	6,191	29,038	15,012	1,917	5,858	25,016	2,430	6,598	2,591	102,255	33,273
Bachelor's	620,396	15,671	5,695	88,119	30,393	2,898	13,411	71,667	7,015	17,351	11,474	265,302	91,400
Associate	12,539	106	74	925	917	93	113	813	111	704	322	6,507	1,854
Other	101	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	52	37
No degree	20,255	200	253	2,255	995	50	127	1,211	144	750	417	10,653	3,200
Physical scientists	121,011	12,488	1,800	16,552	4,332	862	4,073	9,935	1,168	855	363	51,604	16,979
Doctorate	54,665	6,895	985	5,054	2,168	253	1,480	5,554	312	352	13	24,405	7,194
Professional/medical .	175	23	(†)	25	24	(†)	(†)	(†)	(†)	(†)	(†)	52	51
Master's	22,349	2,084	359	3,266	959	102	670	1,376	205	159	195	9,724	3,250
Bachelor's	43,822	3,486	456	8,207	1,181	507	1,923	3,005	651	344	155	17,423	6,484
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	87,334	11,592	1,238	14,506	975	632	3,964	5,894	781	684	180	35,047	11,841
Doctorate	35,897	6,291	685	4,368	267	203	1,444	2,654	169	273	13	15,183	4,347
Professional/medical .	175	23	(†)	25	24	(†)	(†)	(†)	(†)	(†)	(†)	52	51
Master's	14,743	1,933	204	2,439	282	75	645	891	172	79	64	5,831	2,128
Bachelor's	36,519	3,345	349	7,674	402	354	1,875	2,349	440	332	103	13,981	5,315
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Physicists/astronomers .	27,519	795	514	1,030	2,841	50	25	3,233	205	147	183	13,980	4,516
Doctorate	16,874	579	300	518	1,763	50	25	2,418	85	67	(†)	8,494	2,575
Professional/medical .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	5,860	126	107	284	561	(†)	(†)	330	(†)	80	131	3247	994
Bachelor's	4,785	90	107	228	517	(†)	(†)	485	120	(†)	52	2,239	947
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	6,158	101	48	1,016	516	180	84	808	182	24	(†)	2,577	622
Doctorate	1,894	25	(†)	168	138	(†)	11	482	58	12	(†)	728	272
Professional/medical .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	1,746	25	48	543	116	27	25	155	33	(†)	(†)	646	128
Bachelor's	2,518	51	(†)	305	262	153	48	171	91	12	(†)	1,203	222
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-10–Con.

Field and highest degree	Total	Health	Education	Environment/ pollution	Space	Crime prevention	Food	Energy and fuel	Other mineral resources	Community development	Housing	Does not apply	No report
Mathematical scientists	27,833	1,585	670	647	719	138	348	909	149	264	288	18,152	3,964
Doctorate	10,022	788	139	139	156	32	38	112	(†)	68	(†)	7,481	1,069
Professional/medical	147	52	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	70	13
Master's	9,328	460	414	298	401	92	55	231	30	57	88	5,906	1,296
Bachelor's	8,336	285	117	198	162	14	255	566	119	139	200	4,695	1,586
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematicians	20,076	341	474	383	694	138	74	681	123	130	149	14,240	2,649
Doctorate	7,708	143	99	79	156	32	(†)	99	(†)	43	(†)	6,228	829
Professional/medical	77	52	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	13
Master's	6,992	53	312	135	388	92	(†)	173	18	(†)	(†)	4,884	937
Bachelor's	5,299	93	63	169	150	14	74	409	105	87	149	3,116	870
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	7,757	1,244	196	264	25	(†)	274	228	26	134	139	3,912	1,315
Doctorate	2,314	645	40	60	(†)	(†)	38	13	(†)	25	(†)	1,253	240
Professional/medical	70	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	58	(†)
Master's	2,336	407	102	163	13	(†)	55	58	12	57	88	1,022	359
Bachelor's	3,037	192	54	29	12	(†)	181	157	14	52	51	1,579	716
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	55,186	1,743	1,503	505	2,123	758	187	2,128	161	786	185	36,528	8,579
Doctorate	2,604	241	92	41	46	64	13	65	31	(†)	(†)	1,640	371
Professional/medical	153	(†)	(†)	(†)	(†)	(†)	(†)	51	(†)	(†)	(†)	85	17
Master's	14,815	335	464	227	627	53	70	509	(†)	162	129	9,802	2,437
Bachelor's	37,614	1,167	947	237	1,450	641	104	1,503	130	624	56	25,001	5,754
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental scientists	29,466	63	232	4,473	843	36	380	10,980	2,396	257	46	7,147	2,613
Doctorate	8,054	10	44	1,539	428	24	94	1,501	699	20	13	2,983	699
Professional/medical	62	(†)	(†)	13	(†)	(†)	(†)	37	(†)	(†)	(†)	(†)	12
Master's	8,443	(†)	100	1,332	149	12	224	3,286	716	52	18	1,678	876
Bachelor's	12,907	53	88	1,589	266	(†)	62	6,156	981	185	15	2,486	1,026
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-10—Con.

Field and highest degree	Total	Health	Education	Environment/ pollution	Space	Crime prevention	Food	Energy and fuel	Other mineral resources	Community development	Housing	Does not apply	No report
Earth scientists	24,589	54	159	3,004	526	36	260	10,849	2,375	219	46	5,063	1,998
Doctorate	6,253	10	34	932	295	24	25	1,450	678	20	13	2,235	537
Professional/medical	62	(†)	(†)	13	(†)	(†)	(†)	37	(†)	(†)	(†)	(†)	12
Master's	6,927	(†)	48	822	37	12	199	3,218	716	38	18	1,108	711
Bachelor's	11,347	44	77	1,237	194	(†)	36	6,144	981	161	15	1,720	738
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	1,563	(†)	21	623	(†)	(†)	39	17	21	(†)	(†)	692	150
Doctorate	957	(†)	10	433	(†)	(†)	(†)	(†)	21	(†)	(†)	446	47
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	449	(†)	(†)	166	(†)	(†)	13	17	(†)	(†)	(†)	150	103
Bachelor's	157	(†)	11	24	(†)	(†)	26	(†)	(†)	(†)	(†)	96	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	3,314	9	52	846	317	(†)	81	114	(†)	38	(†)	1,392	465
Doctorate	844	(†)	(†)	174	133	(†)	69	51	(†)	(†)	(†)	302	115
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	1,067	(†)	52	344	112	(†)	12	51	(†)	14	(†)	420	62
Bachelor's	1,403	9	(†)	328	72	(†)	(†)	12	(†)	24	(†)	670	288
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	687,911	9,859	4,794	94,375	44,315	2,362	9,407	86,486	7,001	19,827	13,759	294,478	101,248
Doctorate	31,879	770	655	3,578	2,468	168	453	5,406	448	384	193	13,895	3,461
Professional/medical	1,002	105	(†)	212	86	12	(†)	28	52	(†)	(†)	229	278
Master's	145,290	2,252	736	19,176	12,761	668	1,643	18,964	1,433	3,191	1,995	60,750	21,721
Bachelor's	476,845	6,426	3,076	68,229	27,088	1,371	7,071	60,052	4,813	14,798	10,832	202,392	70,697
Associate	12,539	106	74	925	917	93	113	813	111	704	322	6,507	1,854
Other	101	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	52	37
No degree	20,255	200	253	2,255	995	50	127	1,211	144	750	417	10,653	3,200
Life scientists	75,462	14,446	1,539	16,075	129	45	11,475	395	191	646	80	23,363	7,078
Doctorate	31,765	8,282	811	3,487	37	(†)	5,080	169	(†)	218	58	11,130	2,493
Professional/medical	1,416	905	(†)	48	(†)	(†)	52	(†)	(†)	(†)	(†)	284	127
Master's	16,789	2,484	446	3,836	64	21	2,741	92	11	131	22	5,567	1,374
Bachelor's	25,492	2,775	282	8,704	28	24	3,602	134	180	297	(†)	6,382	3,084
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-10–Con.

Field and highest degree	Total	Health	Education	Environment/ pollution	Space	Crime prevention	Food	Energy and fuel	Other mineral resources	Community development	Housing	Does not apply	No report
Biological scientists	35,935	7,408	880	5,807	103	12	3,757	261	(†)	246	(†)	14,424	3,037
Doctorate	19,981	4,916	544	2,524	37	(†)	1,793	169	(†)	148	(†)	8,275	1,575
Professional/medical	153	24	(†)	11	(†)	(†)	52	(†)	(†)	(†)	(†)	40	26
Master's	9,187	1,148	306	1,891	38	(†)	1,043	80	(†)	38	(†)	3,851	792
Bachelor's	6,614	1,320	30	1,381	28	12	869	12	(†)	60	(†)	2,258	644
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists	28,790	372	352	10,035	12	33	7,682	134	191	287	80	6,383	3,229
Doctorate	6,519	194	144	923	(†)	(†)	3,251	(†)	(†)	11	58	1,462	476
Professional/medical	25	(†)	(†)	25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	5,618	46	115	1,882	12	21	1,698	12	11	39	22	1,260	500
Bachelor's	16,628	132	93	7,205	(†)	12	2,733	122	180	237	(†)	3,661	2,253
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	10,737	6,666	307	233	14	(†)	36	(†)	(†)	113	(†)	2,556	812
Doctorate	5,265	3,172	123	40	(†)	(†)	36	(†)	(†)	59	(†)	1,393	442
Professional/medical	1,238	881	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	244	101
Master's	1,984	1,290	25	63	14	(†)	(†)	(†)	(†)	54	(†)	456	82
Bachelor's	2,250	1,323	159	118	(†)	(†)	(†)	(†)	(†)	(†)	(†)	463	187
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	34,889	10,382	5,630	401	53	878	120	105	(†)	1,244	181	12,635	3,260
Doctorate	20,404	6,795	2,339	67	39	479	13	91	(†)	755	39	8,150	1,637
Professional/medical	53	(†)	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	26	13
Master's	11,034	3,038	2,852	202	(†)	338	(†)	14	(†)	347	23	3,283	937
Bachelor's	3,398	549	425	132	14	61	107	(†)	(†)	142	119	1,176	673
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	47,940	4,155	2,654	2,197	311	1,319	1,441	1,550	302	4,658	311	23,518	5,524
Doctorate	21,477	1,768	1,530	673	56	391	699	723	126	1,320	93	12,102	1,996
Professional/medical	240	(†)	(†)	(†)	(†)	17	(†)	32	(†)	17	(†)	124	50
Master's	14,241	1,457	820	701	51	631	455	544	35	2,499	121	5,545	1,382
Bachelor's	11,982	930	304	823	204	280	287	251	141	822	97	5,747	2,096
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-10--Con.

Field and highest degree	Total	Health	Education	Environment/ pollution	Space	Crime Prevention	Food	Energy and fuel	Other mineral resources	Community development	Housing	Does not apply	No report
Economists	19,754	927	867	1,658	66	73	1,019	1,293	269	1,336	242	9,523	2,481
Doctorate	8,792	417	432	444	15	57	602	648	109	426	67	4,733	842
Professional/medical .	181	(†)	(†)	(†)	(†)	(†)	(†)	16	(†)	17	(†)	98	50
Master's	5,119	54	286	449	51	(†)	371	447	35	602	104	2,156	564
Bachelor's	5,662	456	149	765	(†)	16	46	182	125	291	71	2,536	1,025
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Sociologists/anthropologists	11,158	1,500	526	305	(†)	496	203	30	(†)	1,003	23	6,025	1,047
Doctorate	6,470	970	285	124	(†)	267	28	14	(†)	502	13	3,694	573
Professional/medical	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)
Master's	2,937	269	124	149	(†)	155	67	(†)	(†)	458	(†)	1,371	344
Bachelor's	1,737	261	117	32	(†)	74	108	16	(†)	43	10	946	130
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists . .	17,028	1,728	1,261	234	245	750	219	227	33	2,319	46	7,970	1,996
Doctorate	6,215	381	813	105	41	67	69	61	17	392	13	3,675	581
Professional/medical .	45	(†)	(†)	(†)	(†)	17	(†)	16	(†)	(†)	(†)	12	(†)
Master's	6,185	1,134	410	103	(†)	476	17	97	(†)	1,439	17	2,018	474
Bachelor's	4,583	213	38	26	204	190	133	53	16	488	16	2,265	941
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) No cases reported

Source: National Science Foundation, National Sample, 1974.

Table B-11.—Number of scientists and engineers by field, sex, and employment status: 1974

		Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed(not seeking)	
Field and sex	Total	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Total, all fields	1,079,698	1,013,086	977,272	35,814	992,617	958,410	34,207	20,469	18,862	1,607	66,612	11,481	38,383	16,748
Male	1,025,741	969,674	935,225	34,449	955,127	922,047	33,080	14,547	13,178	1,396	56,067	10,242	36,535	9,290
Female	53,957	43,412	42,047	1,365	37,490	36,363	1,127	5,922	5,684	238	10,545	1,239	1,848	7,458
Physical scientists	121,011	112,079	110,522	1,557	109,069	107,586	1,483	3,010	2,936	74	8,932	1,431	4,510	2,991
Male	111,936	104,954	103,432	1,522	102,628	101,180	1,448	2,326	2,252	74	6,982	934	4,341	1,707
Female	9,075	7,125	7,090	35	6,441	6,406	35	684	684	(†)	1,950	497	169	1,284
Chemists	87,334	80,119	79,317	802	78,669	77,885	784	1,450	1,432	18	7,215	1,094	3,648	2,473
Male	79,231	73,875	73,108	767	72,921	72,172	749	954	936	18	5,356	597	3,511	1,248
Female	8,103	6,244	6,209	35	5,748	5,713	35	496	496	(†)	1,859	497	137	1,225
Physicists/astronomers	27,519	25,959	25,238	721	24,541	23,858	683	1,418	1,380	38	1,560	325	730	505
Male	26,784	25,315	24,594	721	24,034	23,351	683	1,281	1,243	38	1,469	325	698	446
Female	735	644	644	(†)	507	507	(†)	137	137	(†)	91	(†)	32	59
Other physical scientists	6,158	6,001	5,967	34	5,859	5,843	16	142	124	18	157	12	132	13
Male	5,921	5,764	5,730	34	5,673	5,657	16	91	73	18	157	12	132	13
Female	237	237	237	(†)	186	186	(†)	51	51	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	27,833	25,816	24,081	1,735	24,772	23,083	1,689	1,044	998	46	2,017	247	743	1,027
Male	23,795	22,717	21,162	1,555	22,048	20,512	1,536	669	650	19	1,078	194	568	316
Female	4,038	3,099	2,919	180	2,724	2,571	153	375	348	27	939	53	175	711
Mathematicians	20,076	18,754	17,474	1,280	17,908	16,647	1,261	846	827	19	1,322	197	370	755
Male	17,412	16,720	15,579	1,141	16,147	15,025	1,122	573	554	19	692	158	292	242
Female	2,664	2,034	1,895	139	1,761	1,622	139	273	273	(†)	630	39	78	513
Statisticians	7,757	7,062	6,607	455	6,864	6,436	428	198	171	27	695	50	373	272
Male	6,383	5,997	5,583	414	5,901	5,487	414	96	96	(†)	386	36	276	74
Female	1,374	1,065	1,024	41	963	949	14	102	75	27	309	14	97	198
Computer specialists	55,186	53,082	52,093	989	52,364	51,392	972	718	701	17	2,104	534	210	1,360
Male	48,439	47,501	46,531	970	47,196	46,243	953	305	288	17	938	330	168	440
Female	6,747	5,581	5,562	19	5,168	5,149	19	413	413	(†)	1,166	204	42	920
Environmental scientists	29,466	27,926	27,298	628	26,922	26,294	628	1,004	1,004	(†)	1,540	297	862	381
Male	28,572	27,111	26,483	628	26,201	25,573	628	910	910	(†)	1,461	297	845	319
Female	894	815	815	(†)	721	721	(†)	94	94	(†)	79	(†)	17	62
Earth scientists	24,589	23,441	22,865	576	22,608	22,032	576	833	833	(†)	1,148	207	645	296
Male	23,772	22,703	22,127	576	21,964	21,388	576	739	739	(†)	1,069	207	628	234
Female	817	738	738	(†)	644	644	(†)	94	94	(†)	79	(†)	17	67
Oceanographers	1,563	1,387	1,387	(†)	1,370	1,370	(†)	17	17	(†)	176	61	45	70
Male	1,563	1,387	1,387	(†)	1,370	1,370	(†)	17	17	(†)	176	61	45	70
Female	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-11–Con.

Field and sex	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed (not seeking)	
		Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Atmospheric scientists	3,314	3,098	3,046	52	2,944	2,892	52	154	154	(†)	216	29	172	15
Male	3,237	3,021	2,969	52	2,867	2,815	52	154	154	(†)	216	29	172	15
Female	77	77	77	(†)	77	77	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	687,911	647,767	628,545	19,222	640,340	622,090	18,250	7,427	6,455	972	40,144	7,457	27,135	5,552
Male	684,552	645,168	625,972	19,196	638,019	619,795	18,224	7,149	6,177	972	39,384	7,390	26,870	5,124
Female	3,359	2,599	2,573	26	2,321	2,295	26	278	278	(†)	760	67	265	428
Life scientists	75,462	69,958	66,926	3,032	67,710	64,764	2,946	2,248	2,162	86	5,504	720	2,358	2,426
Male	65,483	62,008	59,006	3,002	60,756	57,840	2,916	1,252	1,166	86	3,475	621	2,060	794
Female	9,979	7,950	7,920	30	6,954	6,924	30	996	996	(†)	2,029	99	298	1,632
Biological scientists	35,935	33,050	31,824	1,226	31,657	30,466	1,191	1,393	1,358	35	2,885	457	671	1,757
Male	29,601	28,095	26,899	1,196	27,413	26,252	1,161	682	647	35	1,506	372	511	623
Female	6,334	4,955	4,925	30	4,244	4,214	30	711	711	(†)	1,379	85	160	1,134
Agricultural scientists	28,790	26,940	25,170	1,770	26,451	24,732	1,719	489	438	51	1,850	190	1,499	161
Male	28,450	26,740	24,970	1,770	26,282	24,563	1,719	458	407	51	1,710	190	1,439	81
Female	340	200	200	(†)	169	169	(†)	31	31	(†)	140	(†)	60	80
Medical scientists	10,737	9,968	9,932	36	9,602	9,566	36	366	366	(†)	769	73	188	508
Male	7,432	7,173	7,137	36	7,061	7,025	36	112	112	(†)	259	59	110	90
Female	3,305	2,795	2,795	(†)	2,541	2,541	(†)	254	254	(†)	510	14	78	418
Psychologists	34,889	32,819	30,304	2,515	29,713	27,404	2,309	3,106	2,900	206	2,070	356	820	894
Male	25,105	24,354	22,311	2,043	23,261	21,308	1,953	1,093	1,003	90	751	131	323	297
Female	9,784	8,465	7,993	472	6,452	6,096	356	2,013	1,897	116	1,319	225	495	597
Social scientists	47,940	43,639	37,503	6,136	41,727	35,797	5,930	1,912	1,706	206	4,301	439	1,745	2,117
Male	37,859	35,861	30,328	5,533	35,018	29,596	5,422	843	732	111	1,998	345	1,360	293
Female	10,081	7,778	7,175	603	6,709	6,201	508	1,069	974	95	2,303	94	385	1,824
Economists	19,754	18,670	15,585	3,085	18,088	15,071	3,017	582	514	68	1,084	79	719	286
Male	17,854	17,021	14,005	3,016	16,613	13,665	2,948	408	340	68	833	63	654	116
Female	1,900	1,649	1,580	69	1,475	1,406	69	174	174	(†)	251	16	65	170
Sociologists/anthropologists	11,158	10,201	9,031	1,170	9,483	8,434	1,049	718	597	121	957	157	132	668
Male	8,039	7,685	6,782	903	7,424	6,547	877	261	235	26	354	119	120	115
Female	3,119	2,516	2,249	267	2,059	1,887	172	457	362	95	603	38	12	553
Other social scientists	17,028	14,768	12,887	1,881	14,156	12,292	1,864	612	595	17	2,260	203	894	1,163
Male	11,966	11,155	9,541	1,614	10,981	9,384	1,597	174	157	17	811	163	586	62
Female	5,062	3,613	3,346	267	3,175	2,908	267	438	438	(†)	1,449	40	308	1,101

(†) No cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-12.--Number of scientists and engineers by field, age, and employment status: 1974

Field and age	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed(not seeking)	
		Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Total, all fields	1,079,698	1,013,086	977,272	35,814	992,617	958,410	34,207	20,469	18,862	1,607	66,612	11,481	38,383	16,748
Under 25	2,137	1,711	1,662	49	1,429	1,399	30	282	263	19	426	(†)	(†)	426
25-29	106,274	99,266	95,717	3,549	94,464	91,138	3,326	4,802	4,579	223	7,008	1,033	12	5,963
30-34	182,024	176,707	171,293	5,414	173,068	167,800	5,268	3,639	3,493	146	5,317	1,114	130	4,073
35-39	175,473	171,897	166,257	5,640	170,289	164,811	5,478	1,608	1,446	162	3,576	1,709	53	1,814
40-44	162,207	159,914	154,889	5,025	158,868	153,879	4,989	1,046	1,010	36	2,293	1,587	51	655
45-49	155,926	153,116	146,662	6,454	151,545	145,319	6,226	1,571	1,343	228	2,810	1,633	342	835
50-54	125,831	122,137	117,636	4,501	120,688	116,369	4,319	1,449	1,267	182	3,694	1,809	940	945
55-59	78,795	72,218	69,428	2,790	71,048	68,375	2,673	1,170	1,053	117	6,577	1,628	3,922	1,027
60-64	51,134	39,600	37,858	1,742	37,873	36,331	1,542	1,727	1,527	200	11,534	698	10,384	452
65-69	26,963	10,670	10,324	346	8,719	8,537	182	1,951	1,787	164	16,293	184	15,673	436
70 and over	12,934	5,850	5,546	304	4,626	4,452	174	1,224	1,094	130	7,084	86	6,876	122
Physical scientists	121,011	112,079	110,522	1,557	109,069	107,586	1,483	3,010	2,936	74	8,932	1,431	4,510	2,991
Under 25	304	148	148	(†)	18	18	(†)	130	130	(†)	156	(†)	(†)	156
25-29	11,003	9,474	9,413	61	8,517	8,474	43	957	939	18	1,529	237	(†)	1,292
30-34	22,276	21,225	20,949	276	20,476	20,231	245	749	718	31	1,051	152	27	872
35-39	21,525	21,039	20,541	498	20,864	20,379	485	175	162	13	486	251	(†)	235
40-44	16,745	16,503	16,265	238	16,440	16,202	238	63	63	(†)	242	98	24	120
45-49	15,738	15,362	15,152	210	15,120	14,922	198	242	230	12	376	184	12	180
50-54	13,770	13,442	13,302	140	13,389	13,249	140	53	53	(†)	328	241	60	27
55-60	9,087	8,571	8,571	(†)	8,489	8,489	(†)	82	82	(†)	516	195	321	(†)
60-64	5,919	4,533	4,399	134	4,433	4,299	134	100	100	(†)	1,386	59	1,218	109
65-69	3,166	1,096	1,096	(†)	845	845	(†)	251	251	(†)	2,070	(†)	2,070	(†)
70 and over	1,478	686	686	(†)	478	478	(†)	208	208	(†)	792	14	778	(†)
Chemists	87,334	80,119	79,317	802	78,669	77,885	784	1,450	1,432	18	7,215	1,094	3,648	2,473
Under 25	193	37	37	(†)	(†)	(†)	(†)	37	37	(†)	156	(†)	(†)	156
25-29	8,254	6,973	6,955	18	6,594	6,594	(†)	379	361	18	1,281	219	(†)	1,062
30-34	14,731	13,830	13,680	150	13,496	13,346	150	334	334	(†)	901	128	27	746
35-39	14,317	13,981	13,874	107	13,920	13,813	107	61	61	(†)	336	225	(†)	111
40-44	11,619	11,401	11,319	82	11,354	11,272	82	47	47	(†)	218	74	24	120
45-49	11,755	11,414	11,231	183	11,285	11,102	183	129	129	(†)	341	160	12	169
50-54	10,877	10,677	10,549	128	10,652	10,524	128	25	25	(†)	200	125	48	27
55-59	7,044	6,679	6,679	(†)	6,613	6,613	(†)	66	66	(†)	365	90	275	(†)
60-64	4,941	3,842	3,708	134	3,781	3,647	134	61	61	(†)	1,099	59	958	82
65-69	2,572	859	859	(†)	679	679	(†)	180	180	(†)	1,713	(†)	1,713	(†)
70 and over	1,031	426	426	(†)	295	295	(†)	131	131	(†)	605	14	591	(†)
Physicists/astronomers	27,519	25,959	25,238	721	24,541	23,858	683	1,418	1,380	38	1,560	325	730	505
Under 25	100	100	100	(†)	18	18	(†)	82	82	(†)	(†)	(†)	(†)	(†)
25-29	2,286	2,038	1,995	43	1,487	1,444	43	551	551	(†)	248	18	(†)	230
30-34	6,431	6,294	6,186	108	5,897	5,802	95	397	384	13	137	24	(†)	113
35-39	5,928	5,778	5,387	391	5,702	5,324	378	76	63	13	150	26	(†)	124
40-44	4,139	4,127	3,987	140	4,111	3,971	140	16	16	(†)	12	12	(†)	(†)

Table B-12—Con.

Field and age	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed (not seeking)	
		Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
45-49	2,963	2,928	2,901	27	2,840	2,825	15	88	76	12	35	24	(†)	11
50-54	2,370	2,254	2,242	12	2,226	2,214	12	28	28	(†)	116	116	(†)	(†)
55-59	1,543	1,426	1,426	(†)	1,410	1,410	(†)	16	16	(†)	117	105	12	(†)
60-64	882	630	630	(†)	591	591	(†)	39	39	(†)	252	(†)	225	27
65-69	483	149	149	(†)	101	101	(†)	48	48	(†)	334	(†)	334	(†)
70 and over	394	235	235	(†)	158	158	(†)	77	77	(†)	159	(†)	159	(†)
Other physical scientists	6,158	6,001	5,967	34	5,859	5,843	16	142	124	18	157	12	132	13
Under 25	11	11	11	(†)	(†)	(†)	(†)	11	11	(†)	(†)	(†)	(†)	(†)
25-29	463	463	463	(†)	436	436	(†)	27	27	(†)	(†)	(†)	(†)	(†)
30-34	1,114	1,101	1,083	18	1,083	1,083	(†)	13	(†)	18	18	(†)	(†)	13
35-39	1,280	1,280	1,280	(†)	1,242	1,242	(†)	38	38	(†)	(†)	(†)	(†)	(†)
40-44	987	975	959	16	975	959	16	(†)	(†)	(†)	12	12	(†)	(†)
45-49	1,020	1,020	1,020	(†)	995	995	(†)	25	25	(†)	(†)	(†)	(†)	(†)
50-54	523	511	511	(†)	511	511	(†)	(†)	(†)	(†)	12	(†)	12	(†)
55-59	500	466	466	(†)	466	466	(†)	(†)	(†)	(†)	34	(†)	34	(†)
60-64	96	61	61	(†)	61	61	(†)	(†)	(†)	(†)	35	(†)	35	(†)
65-69	111	88	88	(†)	65	65	(†)	23	23	(†)	23	(†)	23	(†)
70 and over	53	25	25	(†)	25	25	(†)	(†)	(†)	(†)	28	(†)	28	(†)
Mathematical scientists	27,833	25,816	24,081	1,735	24,772	23,083	1,689	1,044	998	46	2,017	247	743	1,027
Under 25	86	19	(†)	19	(†)	(†)	(†)	19	(†)	19	67	(†)	(†)	67
25-29	3,603	3,162	2,792	370	2,822	2,452	370	340	340	(†)	441	17	(†)	424
30-34	7,098	6,706	6,320	386	6,308	5,922	386	398	398	(†)	392	89	(†)	303
35-39	4,907	4,720	4,493	227	4,654	4,427	227	66	66	(†)	187	55	(†)	132
40-44	3,822	3,748	3,598	150	3,704	3,554	150	44	44	(†)	74	25	(†)	49
45-49	3,259	3,209	2,983	226	3,181	2,955	226	28	28	(†)	50	12	13	25
50-54	1,694	1,669	1,548	121	1,669	1,548	121	(†)	(†)	(†)	25	12	13	(†)
55-59	1,465	1,323	1,236	87	1,309	1,236	73	14	(†)	14	142	12	116	14
60-64	1,100	940	817	123	873	750	123	67	67	(†)	160	(†)	147	13
65-69	553	235	235	(†)	204	204	(†)	31	31	(†)	318	12	306	(†)
70 and over	246	85	59	26	48	35	13	37	24	13	161	13	148	(†)
Mathematicians	20,076	18,754	17,474	1,280	17,908	16,647	1,261	846	827	19	1,322	197	370	755
Under 25	33	19	(†)	19	(†)	(†)	(†)	19	(†)	19	14	(†)	(†)	14
25-29	2,696	2,351	2,035	316	2,080	1,764	316	271	271	(†)	345	17	(†)	328
30-34	5,438	5,168	4,870	298	4,797	4,499	298	371	371	(†)	270	39	(†)	231
35-39	3,591	3,416	3,189	227	3,365	3,138	227	51	51	(†)	175	55	(†)	120
40-44	2,684	2,610	2,598	12	2,566	2,554	12	44	44	(†)	74	25	(†)	49
45-49	2,624	2,586	2,360	226	2,558	2,332	226	28	28	(†)	38	12	13	13
50-54	1,039	1,027	906	121	1,027	906	121	(†)	(†)	(†)	12	12	(†)	(†)
55-59	891	879	831	48	879	831	48	(†)	(†)	(†)	12	12	(†)	(†)
60-64	558	516	516	(†)	478	478	(†)	38	38	(†)	42	(†)	42	(†)
65-69	383	133	133	(†)	133	133	(†)	(†)	(†)	(†)	250	12	238	(†)
70 and over	139	49	36	13	25	13	12	24	24	(†)	90	13	77	(†)

Table B-12—Con.

Field and age	Total	Total employed: Total	Total employed: In S/E	Total employed: Not in S/E	Full-time employed: Total	Full-time employed: In S/E	Full-time employed: Not in S/E	Part-time employed: Total	Part-time employed: In S/E	Part-time employed: Not in S/E	Not employed: Total	Not employed: Unemployed (seeking)	Not employed: Unemployed (not seeking): Retired	Not employed: Unemployed (not seeking): Other
Statisticians	7,757	7,062	6,607	455	6,864	6,436	428	198	171	27	695	50	373	272
Under 25	53	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	53	(†)	(†)	53
25-29	907	811	757	54	742	688	54	69	69	(†)	96	(†)	(†)	96
30-34	1,660	1,538	1,450	88	1,511	1,423	88	27	27	(†)	122	50	(†)	72
35-39	1,316	1,304	1,304	(†)	1,289	1,289	(†)	15	15	(†)	12	(†)	(†)	12
40-44	1,138	1,138	1,000	138	1,138	1,000	138	(†)	(†)	(†)	(†)	(†)	(†)	(†)
45-49	635	623	623	(†)	623	623	(†)	(†)	(†)	(†)	12	(†)	(†)	12
50-54	655	642	642	(†)	642	642	(†)	(†)	(†)	(†)	13	(†)	13	(†)
55-59	574	444	405	39	430	405	25	14	(†)	14	130	(†)	116	14
60-64	542	424	301	123	395	272	123	29	29	(†)	118	(†)	105	13
65-69	170	102	102	(†)	71	71	(†)	31	31	(†)	68	(†)	68	(†)
70 and over	107	36	23	13	23	23	(†)	13	(†)	13	71	(†)	71	(†)
Computer specialists	55,186	53,082	52,093	989	52,364	51,392	972	718	701	17	2,104	534	210	1,360
Under 25	15	15	15	(†)	15	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	9,629	8,758	8,741	17	8,441	8,424	17	317	317	(†)	871	167	(†)	704
30-34	18,439	17,938	17,734	204	17,735	17,531	204	203	203	(†)	501	52	17	432
35-39	10,844	10,525	10,201	324	10,478	10,154	324	47	47	(†)	319	208	(†)	111
40-44	8,370	8,313	8,076	237	8,241	8,004	237	72	72	(†)	57	30	(†)	27
45-49	4,484	4,337	4,205	132	4,322	4,190	132	15	15	(†)	147	61	(†)	86
50-54	1,979	1,962	1,928	34	1,898	1,881	17	64	47	17	17	(†)	17	(†)
55-59	932	829	788	41	829	788	41	(†)	(†)	(†)	103	16	87	(†)
60-64	254	201	201	(†)	201	201	(†)	(†)	(†)	(†)	53	(†)	53	(†)
65-69	164	128	128	(†)	128	128	(†)	(†)	(†)	(†)	36	(†)	36	(†)
70 and over	76	76	76	(†)	76	76	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental scientists	29,466	27,926	27,298	628	26,922	26,294	628	1,004	1,004	(†)	1,540	297	862	381
Under 25	15	15	15	(†)	15	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	2,007	1,781	1,781	(†)	1,542	1,542	(†)	239	239	(†)	226	64	(†)	162
30-34	3,888	3,118	3,041	77	2,870	2,793	77	248	248	(†)	69	(†)	(†)	69
35-39	4,273	3,294	3,095	199	3,269	3,070	199	25	25	(†)	26	(†)	(†)	26
40-44	5,656	5,593	5,488	105	5,566	5,461	105	27	27	(†)	63	12	(†)	51
45-49	4,873	4,700	4,676	24	4,675	4,651	24	25	25	(†)	173	136	25	12
50-54	4,225	4,126	4,022	104	3,962	3,858	104	164	164	(†)	99	60	15	24
55-59	2,201	2,054	1,949	105	1,996	1,891	105	58	58	(†)	147	12	135	(†)
60-64	1,606	1,268	1,254	14	1,131	1,117	14	137	137	(†)	338	(†)	326	12
65-69	523	268	268	(†)	243	243	(†)	25	25	(†)	255	(†)	242	13
70 and over	199	80	80	(†)	38	38	(†)	42	42	(†)	119	(†)	119	(†)
Earth scientists	24,589	23,441	22,865	576	22,608	22,032	576	833	833	(†)	1,148	207	645	296
Under 25	15	15	15	(†)	15	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	1,671	1,547	1,547	(†)	1,325	1,325	(†)	222	222	(†)	124	35	(†)	89
30-34	3,187	3,118	3,041	77	2,870	2,793	77	248	248	(†)	69	(†)	(†)	69
35-39	3,320	3,294	3,095	199	3,269	3,070	199	25	25	(†)	26	(†)	(†)	26
40-44	4,935	4,872	4,819	53	4,845	4,792	53	27	27	(†)	63	12	(†)	51

Table B-12—Con.

Field and age	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed(not seeking)	
		Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
45-49	4,420	4,308	4,284	24	4,283	4,259	24	25	25	(†)	112	88	12	12
50-54	3,312	3,228	3,124	104	3,180	3,076	104	48	48	(†)	84	60	(†)	24
55-59	1,700	1,622	1,517	105	1,588	1,483	105	34	34	(†)	78	12	66	(†)
60-64	1,464	1,161	1,147	14	1,024	1,010	14	137	137	(†)	303	(†)	291	12
65-69	379	196	196	(†)	171	171	(†)	25	25	(†)	183	(†)	170	13
70 and over	186	80	80	(†)	38	38	(†)	42	42	(†)	106	(†)	106	(†)
Oceanographers	1,563	1,387	1,387	(†)	1,370	1,370	(†)	17	17	(†)	176	61	45	70
Under 25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	186	128	128	(†)	111	111	(†)	17	17	(†)	58	(†)	(†)	58
30-34	331	331	331	(†)	331	331	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
35-39	489	464	464	(†)	464	464	(†)	(†)	(†)	(†)	25	13	(†)	12
40-44	106	106	106	(†)	106	106	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
45-49	157	109	109	(†)	109	109	(†)	(†)	(†)	(†)	48	48	(†)	(†)
50-54	111	111	111	(†)	111	111	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
55-59	40	31	31	(†)	31	31	(†)	(†)	(†)	(†)	9	(†)	9	(†)
60-64	35	35	35	(†)	35	35	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
65-69	108	72	72	(†)	72	72	(†)	(†)	(†)	(†)	36	(†)	36	(†)
70 and over	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	3,314	3,098	3,046	52	2,944	2,892	52	154	154	(†)	216	29	172	15
Under 25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	150	106	106	(†)	106	106	(†)	(†)	(†)	(†)	44	29	(†)	15
30-34	370	370	370	(†)	356	356	(†)	14	14	(†)	(†)	(†)	(†)	(†)
35-39	464	464	464	(†)	464	464	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
40-44	615	615	563	52	615	563	52	(†)	(†)	(†)	(†)	(†)	(†)	(†)
45-49	296	283	283	(†)	283	283	(†)	(†)	(†)	(†)	13	(†)	13	(†)
50-54	802	787	787	(†)	671	671	(†)	116	116	(†)	15	(†)	15	(†)
55-59	461	401	401	(†)	377	377	(†)	24	24	(†)	60	(†)	60	(†)
60-64	107	72	72	(†)	60	60	(†)	(†)	(†)	(†)	35	(†)	35	(†)
65-69	36	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	36	(†)	36	(†)
70 and over	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	13	(†)
Engineers	687,911	647,767	628,545	19,222	640,340	622,090	18,250	7,427	6,455	972	40,144	7,457	27,135	5,552
Under 25	1,485	1,317	1,317	(†)	1,198	1,198	(†)	119	119	(†)	168	(†)	(†)	168
25-29	62,413	60,758	59,105	1,653	59,891	58,309	1,582	867	796	71	1,655	316	12	1,327
30-34	99,861	98,511	95,980	2,531	98,062	95,606	2,456	449	374	75	1,350	463	45	842
35-39	108,039	106,517	103,488	3,029	106,119	103,201	2,918	398	287	111	1,522	938	53	531
40-44	104,852	103,461	100,805	2,656	103,136	100,480	2,656	325	325	(†)	1,391	1,176	16	199
45-49	107,929	106,241	102,295	3,946	105,614	101,805	3,809	627	490	137	1,688	1,137	228	323
50-54	87,427	84,544	82,271	2,273	83,725	81,617	2,108	819	654	165	2,883	1,329	754	800
55-59	53,826	49,098	47,274	1,824	48,411	46,625	1,786	687	649	38	4,728	1,321	2,768	639
60-64	34,872	26,447	25,579	868	25,337	24,588	746	1,110	991	119	8,425	546	7,605	274
65-69	18,584	6,814	6,606	208	5,605	5,536	69	1,209	1,070	139	11,770	172	11,216	382
70 and over	8,623	4,059	3,825	234	3,242	3,125	117	817	700	117	4,564	59	4,438	67

Table B-12—Con.

Field and age	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed(not seeking)	
		Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Life scientists	75,462	69,958	66,926	3,032	67,710	64,764	2,946	2,248	2,162	86	5,504	720	2,358	2,426
Under 25	167	167	137	30	153	123	30	14	14	(†)	(†)	(†)	(†)	(†)
25-29	7,189	6,303	6,084	219	5,502	5,283	219	801	801	(†)	886	165	(†)	721
30-34	13,670	12,732	12,348	384	12,223	11,852	371	509	496	13	938	108	(†)	830
35-39	13,278	12,643	12,548	95	12,352	12,268	84	291	280	11	635	161	(†)	474
40-44	11,957	11,765	10,943	822	11,682	10,871	811	83	72	11	192	87	11	94
45-49	9,866	9,757	9,056	701	9,706	9,005	701	51	51	(†)	109	74	12	23
50-54	7,316	7,175	6,913	262	7,096	6,834	262	79	79	(†)	141	66	25	50
55-59	5,857	5,415	5,106	309	5,365	5,056	309	50	50	(†)	442	59	217	166
60-64	3,504	2,888	2,703	185	2,714	2,555	159	174	148	26	616	(†)	604	12
65-69	1,687	817	792	25	633	633	(†)	184	159	25	870	(†)	857	13
70 and over	971	296	296	(†)	284	284	(†)	12	12	(†)	675	(†)	632	43
Biological scientists	35,935	33,050	31,824	1,226	31,657	30,466	1,191	1,393	1,358	35	2,885	457	671	1,757
Under 25	98	98	68	30	84	54	30	14	14	(†)	(†)	(†)	(†)	(†)
25-29	4,346	3,541	3,420	121	2,919	2,798	121	622	622	(†)	805	165	(†)	640
30-34	7,703	7,060	6,872	188	6,692	6,517	175	368	355	13	643	95	(†)	548
35-39	6,131	5,756	5,710	46	5,600	5,565	35	156	145	11	375	84	(†)	291
40-44	5,147	5,081	5,046	35	5,028	5,004	24	53	42	11	66	(†)	(†)	66
45-49	4,644	4,608	4,407	201	4,595	4,394	201	13	13	(†)	36	13	(†)	23
50-54	2,815	2,699	2,487	212	2,674	2,462	212	25	25	(†)	116	52	14	50
55-59	2,535	2,312	2,065	247	2,286	2,039	247	26	26	(†)	223	48	61	114
60-64	1,465	1,336	1,190	146	1,312	1,166	146	24	24	(†)	129	(†)	117	12
65-69	698	419	419	(†)	339	339	(†)	80	80	(†)	279	(†)	279	(†)
70 and over	353	140	140	(†)	128	128	(†)	12	12	(†)	213	(†)	200	13
Agricultural scientists	28,790	26,940	25,170	1,770	26,451	24,732	1,719	489	438	51	1,850	190	1,499	161
Under 25	69	69	69	(†)	69	69	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	2,064	2,049	1,951	98	1,934	1,836	98	115	115	(†)	15	(†)	(†)	15
30-34	4,075	4,050	3,866	184	4,038	3,854	184	12	12	(†)	25	13	(†)	12
35-39	5,214	5,071	5,022	49	5,004	4,955	49	67	67	(†)	143	52	(†)	91
40-44	4,947	4,883	4,096	787	4,853	4,066	787	30	30	(†)	64	64	(†)	(†)
45-49	4,130	4,057	3,557	500	4,045	3,545	500	12	12	(†)	73	61	12	(†)
50-54	3,236	3,225	3,175	50	3,184	3,134	50	41	41	(†)	11	(†)	11	(†)
55-59	2,310	2,170	2,132	38	2,146	2,108	38	24	24	(†)	140	(†)	140	(†)
60-64	1,388	958	919	39	834	821	13	124	98	26	430	(†)	430	(†)
65-69	833	294	269	25	230	230	(†)	64	39	25	539	(†)	526	13
70 and over	524	114	114	(†)	114	114	(†)	(†)	(†)	(†)	410	(†)	380	30
Medical scientists	10,737	9,968	9,932	36	9,602	9,566	36	366	366	(†)	769	73	188	508
Under 25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	779	713	713	(†)	649	649	(†)	64	64	(†)	66	(†)	(†)	66
30-34	1,892	1,622	1,610	12	1,493	1,481	12	129	129	(†)	270	(†)	(†)	270
35-39	1,933	1,816	1,816	(†)	1,784	1,784	(†)	68	68	(†)	117	25	(†)	92
40-44	1,863	1,801	1,801	(†)	1,801	1,801	(†)	(†)	(†)	(†)	62	23	11	28

Table B-12—Con.

Field and age	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed(not seeking)	
		Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
45-49	1,092	1,092	1,092	(†)	1,066	1,066	(†)	26	26	(†)	(†)	(†)	(†)	(†)
50-54	1,265	1,251	1,251	(†)	1,238	1,238	(†)	13	13	(†)	14	14	(†)	(†)
55-59	1,012	933	909	24	933	909	24	(†)	(†)	(†)	79	11	16	52
60-64	651	594	594	(†)	568	568	(†)	26	26	(†)	57	(†)	57	(†)
65-69	156	104	104	(†)	64	64	(†)	40	40	(†)	52	(†)	52	(†)
70 and over	94	42	42	(†)	42	42	(†)	(†)	(†)	(†)	52	(†)	52	(†)
Psychologists	34,889	32,819	30,304	2,515	29,713	27,404	2,309	3,106	2,900	206	2,070	356	820	894
Under 25	35	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	35	(†)	(†)	35
25-29	4,698	4,479	4,025	454	3,565	3,198	367	914	827	87	219	17	(†)	202
30-34	7,164	6,703	6,301	402	6,158	5,770	388	545	531	14	461	70	14	377
35-39	5,287	5,047	4,698	349	4,651	4,315	336	396	383	13	240	83	(†)	157
40-44	4,909	4,793	4,455	338	4,482	4,157	325	311	293	13	116	90	(†)	26
45-49	4,801	4,762	4,199	563	4,380	3,896	484	382	303	79	39	13	(†)	26
50-54	3,694	3,599	3,363	236	3,449	3,213	236	150	150	(†)	95	57	25	13
55-59	1,951	1,849	1,799	50	1,722	1,672	50	127	127	(†)	102	13	76	13
60-64	1,186	948	871	77	879	802	77	69	69	(†)	238	13	193	32
65-69	730	400	373	27	248	221	27	152	152	(†)	330	(†)	317	13
70 and over	434	239	220	19	(†)	(†)	(†)	60	60	(†)	195	(†)	195	(†)
Social scientists	47,940	43,639	37,503	6,136	41,727	35,797	5,930	1,912	1,706	206	4,301	439	1,745	2,117
Under 25	30	30	30	(†)	30	30	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	5,732	4,551	3,776	775	4,184	3,456	728	367	320	47	1,181	50	(†)	1,131
30-34	9,628	9,037	7,919	1,154	8,549	7,408	1,141	524	511	13	555	180	27	348
35-39	7,320	7,184	6,265	919	6,974	6,069	905	210	196	14	136	(†)	(†)	136
40-44	5,896	5,738	5,259	479	5,617	5,150	467	121	109	12	158	69	(†)	89
45-49	4,976	4,748	4,096	652	4,547	3,895	652	201	201	(†)	228	16	52	160
50-54	5,726	5,620	4,289	1,331	5,500	4,169	1,331	120	120	(†)	106	44	31	31
55-59	3,476	3,079	2,705	374	2,927	2,618	309	152	87	65	397	(†)	202	195
60-64	2,693	2,375	2,034	341	2,305	2,019	286	70	15	55	318	80	238	(†)
65-69	1,556	912	826	86	813	727	86	99	99	(†)	644	(†)	629	15
70 and over	907	329	304	25	281	256	25	48	48	(†)	578	(†)	566	12
Economists	19,754	18,670	15,585	3,085	18,088	15,071	3,017	582	514	68	1,084	79	719	286
Under 25	15	15	15	(†)	15	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	1,800	1,682	1,380	302	1,594	1,292	302	88	88	(†)	118	(†)	(†)	118
30-34	3,552	3,462	2,897	565	3,289	2,737	552	173	160	13	90	35	(†)	55
35-39	2,840	2,840	2,509	331	2,827	2,496	331	13	13	(†)	(†)	(†)	(†)	(†)
40-44	2,596	2,519	2,352	167	2,486	2,319	167	33	33	(†)	77	28	(†)	49
45-49	2,006	2,006	1,473	533	2,036	1,503	533	(†)	(†)	(†)	(†)	(†)	(†)	(†)
50-54	2,719	2,687	1,936	751	2,594	1,843	751	63	63	(†)	32	16	(†)	16
55-59	1,369	1,274	1,128	146	1,248	1,102	146	26	26	(†)	95	(†)	47	48
60-64	1,479	1,322	1,115	207	1,267	1,115	152	55	(†)	55	157	(†)	157	(†)
65-69	841	590	519	71	491	420	71	99	99	(†)	251	(†)	251	(†)
70 and over	537	273	261	12	241	229	12	32	32	(†)	264	(†)	264	(†)

Table B-12—Con.

Field and age	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed(not seeking)	
		Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Sociologists/anthropologists	11,158	10,201	9,031	1,170	9,483	8,434	1,049	718	597	121	957	157	132	668
Under 25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	1,495	1,097	949	148	979	861	118	118	88	30	398	15	(†)	383
30-34	2,706	2,384	2,216	168	2,128	1,960	168	256	256	(†)	322	119	(†)	203
35-39	1,844	1,829	1,626	203	1,720	1,531	189	109	95	14	15	(†)	(†)	15
40-44	1,202	1,178	1,142	36	1,141	1,117	24	37	25	12	24	(†)	(†)	24
45-49	1,158	1,145	1,121	24	1,060	1,036	24	85	85	(†)	13	(†)	(†)	13
50-54	1,413	1,387	1,039	348	1,387	1,039	348	(†)	(†)	(†)	26	11	(†)	15
55-59	648	621	498	123	523	465	58	98	33	65	27	(†)	12	15
60-64	528	478	358	120	463	343	120	15	15	(†)	50	12	38	(†)
65-69	81	55	55	(†)	55	55	(†)	(†)	(†)	(†)	26	(†)	26	(†)
70 and over	83	27	27	(†)	27	27	(†)	(†)	(†)	(†)	56	(†)	56	(†)
Other social scientists	17,028	14,768	12,887	1,881	14,156	12,292	1,864	612	595	17	2,260	203	894	1,163
Under 25	15	15	15	(†)	15	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
25-29	2,437	1,772	1,447	325	1,611	1,303	308	161	144	17	665	35	(†)	630
30-34	3,370	3,227	2,806	421	3,132	2,711	421	95	95	(†)	143	26	27	90
35-39	2,636	2,515	2,130	385	2,427	2,042	385	88	88	(†)	121	(†)	(†)	121
40-44	2,098	2,041	1,765	276	1,990	1,714	276	51	51	(†)	57	41	(†)	16
45-49	1,812	1,597	1,502	95	1,481	1,386	95	116	116	(†)	215	16	52	147
50-54	1,594	1,546	1,314	232	1,489	1,257	232	57	57	(†)	48	17	31	(†)
55-59	1,459	1,184	1,079	105	1,156	1,051	105	28	28	(†)	275	(†)	143	132
60-64	686	575	561	14	576	561	14	(†)	(†)	(†)	111	68	43	(†)
65-69	634	267	252	15	267	252	15	(†)	(†)	(†)	367	(†)	352	15
70 and over	287	29	16	13	13	(†)	13	16	16	(†)	258	(†)	246	12

(†) No cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-13.—Number of scientists and engineers by field, race, and employment status: 1974

Field and race	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed(not seeking)	
	Total	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Total, all fields	1,079,698	1,013,086	977,272	35,814	992,617	958,410	34,207	20,469	18,862	1,607	66,612	11,481	38,383	16,748
White/Caucasian	1,039,010	974,181	939,436	34,745	954,783	921,626	33,157	19,398	17,810	1,588	64,829	11,083	38,074	15,672
Black/Negro	11,102	10,642	10,307	335	10,427	10,111	316	215	196	19	460	56	92	312
American Indian	903	872	835	37	837	800	37	35	35	(†)	31	(†)	13	18
Chinese, Japanese, Korean	23,497	22,732	22,170	562	21,983	21,421	562	749	749	(†)	765	244	92	429
Other races	5,186	4,659	4,524	135	4,587	4,452	135	72	72	(†)	527	98	112	317
Physical scientists	121,011	112,079	110,522	1,557	109,069	107,586	1,483	3,010	2,936	74	8,932	1,431	4,510	2,991
White/Caucasian	113,860	105,285	103,828	1,457	102,562	101,079	1,383	2,823	2,749	74	8,575	1,372	4,510	2,693
Black/Negro	2,206	2,157	2,157	(†)	2,072	2,072	(†)	85	85	(†)	49	(†)	(†)	49
American Indian	240	240	240	(†)	240	240	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	3,905	3,669	3,586	83	3,567	3,484	83	102	102	(†)	236	59	(†)	177
Other races	800	728	711	17	728	711	17	(†)	(†)	(†)	72	(†)	(†)	72
Chemists	87,334	80,119	79,317	802	78,669	77,885	784	1,450	1,432	18	7,215	1,094	3,648	2,473
White/Caucasian	81,858	75,000	74,233	767	73,705	72,956	749	1,295	1,277	18	6,858	1,035	3,648	2,175
Black/Negro	1,853	1,804	1,804	(†)	1,735	1,735	(†)	69	69	(†)	49	(†)	(†)	49
American Indian	240	240	240	(†)	240	240	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	2,649	2,413	2,378	35	2,327	2,292	35	86	86	(†)	236	59	(†)	177
Other races	734	662	662	(†)	662	662	(†)	(†)	(†)	(†)	72	(†)	(†)	72
Physicists/astronomers	27,519	25,959	25,238	721	24,541	23,858	683	1,418	1,380	38	1,560	325	730	505
White/Caucasian	26,118	24,558	23,902	656	23,172	22,554	618	1,386	1,348	38	1,560	325	730	505
Black/Negro	128	128	128	(†)	112	112	(†)	16	16	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	1,207	1,207	1,159	48	1,191	1,143	48	16	16	(†)	(†)	(†)	(†)	(†)
Other races	66	66	49	17	66	49	17	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	6,158	6,001	5,967	34	5,859	5,843	16	142	124	18	157	12	132	13
White/Caucasian	5,884	5,727	5,693	34	5,585	5,569	16	142	124	18	157	12	132	13
Black/Negro	225	225	225	(†)	225	225	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	49	49	49	(†)	49	49	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	27,833	25,816	24,081	1,735	24,772	23,083	1,689	1,044	998	46	2,017	247	743	1,027
White/Caucasian	25,902	24,049	22,388	1,661	23,023	21,408	1,615	1,026	980	46	1,853	247	743	863
Black/Negro	1,034	942	942	(†)	942	942	(†)	(†)	(†)	(†)	92	(†)	(†)	92
American Indian	37	19	19	(†)	19	19	(†)	(†)	(†)	(†)	18	(†)	(†)	18
Chinese, Japanese, Korean	733	697	623	74	679	605	74	18	18	(†)	36	(†)	(†)	36
Other races	127	109	109	(†)	109	109	(†)	(†)	(†)	(†)	18	(†)	(†)	18

Table B-13—Con.

Field and race	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed(not seeking)	
	Total	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Mathematicians	20,076	18,754	17,474	1,280	17,908	16,647	1,261	(†)	827	(†)	1,322	197	370	755
White/Caucasian	18,833	17,657	16,377	1,280	16,829	15,568	1,261	(†)	809	(†)	1,176	197	370	609
Black/Negro	787	695	695	(†)	695	695	(†)	(†)	(†)	(†)	92	(†)	(†)	92
American Indian	18	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	18	(†)	(†)	18
Chinese, Japanese, Korean	401	365	365	(†)	347	347	(†)	(†)	18	(†)	36	(†)	(†)	36
Other races	37	37	37	(†)	37	37	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	7,757	7,062	6,607	455	6,864	6,436	428	198	171	27	695	50	373	272
White/Caucasian	7,069	6,392	6,011	381	6,194	5,840	354	198	171	27	677	50	373	254
Black/Negro	247	247	247	(†)	247	247	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	19	19	19	(†)	19	19	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	332	332	258	74	332	258	74	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	90	72	72	(†)	72	72	(†)	(†)	(†)	(†)	18	(†)	(†)	18
Computer specialists	55,186	53,082	52,093	989	52,364	51,392	972	718	701	17	2,104	534	210	1,360
White/Caucasian	53,274	51,288	50,445	843	50,570	49,744	826	718	701	17	1,986	534	210	1,242
Black/Negro	842	824	802	22	824	802	22	(†)	(†)	(†)	18	(†)	(†)	18
American Indian	50	50	50	(†)	50	50	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	708	659	635	24	659	635	24	(†)	(†)	(†)	49	(†)	(†)	49
Other races	312	261	161	100	261	161	100	(†)	(†)	(†)	51	(†)	(†)	51
Environmental scientists	29,466	27,926	27,298	628	26,922	26,294	628	1,004	1,004	(†)	1,540	297	862	381
White/Caucasian	28,913	27,373	26,745	628	26,381	25,753	628	992	992	(†)	1,540	297	862	381
Black/Negro	47	47	47	(†)	47	47	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	70	70	70	(†)	70	70	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	409	409	409	(†)	397	397	(†)	12	12	(†)	(†)	(†)	(†)	(†)
Other races	27	27	27	(†)	27	27	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Earth scientists	24,589	23,441	22,865	576	22,608	22,032	576	833	833	(†)	1,148	207	645	296
White/Caucasian	24,201	23,053	22,477	576	22,220	21,644	576	833	833	(†)	1,148	207	645	296
Black/Negro	35	35	35	(†)	35	35	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	70	70	70	(†)	70	70	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	256	256	256	(†)	256	256	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	27	27	27	(†)	27	27	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	1,563	1,387	1,387	(†)	1,370	1,370	(†)	17	17	(†)	176	61	45	70
White/Caucasian	1,474	1,298	1,298	(†)	1,281	1,281	(†)	17	17	(†)	176	61	45	70
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	89	89	89	(†)	89	89	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-13—Con.

Field and race	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed(not seeking)	
	Total	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Atmospheric scientists	3,314	3,098	3,046	52	2,944	2,892	52	154	154	(†)	216	29	172	15
White/Caucasian	3,238	3,022	2,970	52	2,880	2,828	52	142	142	(†)	216	29	172	15
Black/Negro	12	12	12	(†)	12	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	64	64	64	(†)	52	52	(†)	12	12	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	687,911	647,767	628,545	19,222	640,340	622,090	18,250	7,427	6,455	972	40,144	7,457	27,135	5,552
White/Caucasian	664,721	625,264	606,488	18,776	618,186	600,382	17,804	7,078	6,106	972	39,457	7,220	26,892	5,345
Black/Negro	4,492	4,320	4,171	149	4,278	4,129	149	42	42	(†)	172	39	65	68
American Indian	336	336	336	(†)	336	336	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	15,003	14,759	14,480	279	14,452	14,173	279	307	307	(†)	244	114	66	64
Other races	3,359	3,088	3,070	18	3,088	3,070	18	(†)	(†)	(†)	271	84	112	75
Life scientists	75,462	69,958	66,926	3,032	67,710	64,764	2,946	2,248	2,162	85	5,504	720	2,358	2,426
White/Caucasian	72,059	66,911	63,905	3,006	64,903	61,983	2,920	2,008	1,922	86	5,148	635	2,331	2,182
Black/Negro	1,173	1,088	1,088	(†)	1,059	1,059	(†)	29	29	(†)	85	(†)	(†)	85
American Indian	108	95	82	13	60	47	13	35	35	(†)	13	(†)	13	(†)
Chinese, Japanese, Korean	1,768	1,611	1,598	13	1,435	1,422	13	176	176	(†)	157	71	14	72
Other races	354	253	253	(†)	253	253	(†)	(†)	(†)	(†)	101	14	(†)	87
Biological scientists	35,935	33,050	31,824	1,226	31,657	30,466	1,191	1,393	1,358	35	2,885	457	671	1,757
White/Caucasian	33,643	30,993	29,780	1,213	29,753	28,575	1,178	1,240	1,205	35	2,650	438	657	1,555
Black/Negro	846	789	789	(†)	760	760	(†)	29	29	(†)	57	(†)	(†)	57
American Indian	65	65	65	(†)	30	30	(†)	35	35	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	1,181	1.076	1,063	13	987	974	13	89	89	(†)	105	19	14	72
Other races	200	127	127	(†)	127	127	(†)	(†)	(†)	(†)	73	(†)	(†)	73
Agricultural scientists	28,790	26,940	25,170	1,770	26,451	24,732	1,719	489	438	51	1,850	190	1,499	161
White/Caucasian	28,312	26,527	24,770	1,757	26,068	24,362	1,706	459	408	51	1,785	138	1,486	161
Black/Negro	117	117	117	(†)	117	117	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	43	30	17	13	30	17	13	(†)	(†)	(†)	13	(†)	13	(†)
Chinese, Japanese, Korean	305	253	253	(†)	223	223	(†)	30	30	(†)	52	52	(†)	(†)
Other races	13	13	13	(†)	13	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical/scientists	10,737	9,968	9,932	36	9,602	9,566	36	366	366	(†)	769	73	188	508
White/Caucasian	10,104	9,391	9,355	36	9,082	9,046	36	309	309	(†)	739	59	188	466
Black/Negro	210	182	182	(†)	182	182	(†)	(†)	(†)	(†)	28	(†)	(†)	28
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	282	282	282	(†)	225	225	(†)	57	57	(†)	(†)	(†)	(†)	(†)
Other races	141	113	113	(†)	113	113	(†)	(†)	(†)	(†)	28	14	(†)	14

Table B-13—Con.

Field and race	Total	Total employed			Full-time employed			Part-time employed			Not employed			
													Unemployed (not seeking)	
	Total	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	In S/E	Not in S/E	Total	Unemployed (seeking)	Retired	Other
Psychologists	34,889	32,819	30,304	2,515	29,713	27,404	2,309	3,106	2,900	206	2,070	356	820	894
White/Caucasian	34,052	32,043	29,596	2,447	29,003	26,743	2,260	3,040	2,853	187	2,009	339	805	865
Black/Negro	636	604	536	68	571	522	49	33	14	19	32	17	15	(†)
American Indian	18	18	18	(†)	18	18	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	97	82	82	(†)	49	49	(†)	33	33	(†)	15	(†)	(†)	15
Other races	86	72	72	(†)	72	72	(†)	(†)	(†)	(†)	14	(†)	(†)	14
Social scientists	47,940	43,639	37,503	6,136	41,727	35,797	5,930	1,912	1,706	206	4,301	439	1,745	2,117
White/Caucasian	46,229	41,968	36,041	5,927	40,255	34,534	5,721	1,713	1,507	206	4,261	439	1,721	2,101
Black/Negro	672	660	564	96	634	538	96	26	26	(†)	12	(†)	12	(†)
American Indian	44	44	20	24	44	20	24	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	874	846	757	89	745	656	89	101	101	(†)	28	(†)	12	16
Other races	121	121	121	(†)	49	49	(†)	72	72	(†)	(†)	(†)	(†)	(†)
Economists	19,754	18,670	15,585	3,085	18,088	15,071	3,017	582	514	(†)	1,084	79	719	286
White/Caucasian	18,823	17,739	14,740	2,999	17,303	14,372	2,931	436	368	(†)	1,084	79	719	286
Black/Negro	237	237	215	22	237	215	22	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	44	44	20	24	44	20	24	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	557	557	517	40	483	443	40	74	74	(†)	(†)	(†)	(†)	(†)
Other races	93	93	93	(†)	21	21	(†)	72	72	(†)	(†)	(†)	(†)	(†)
Sociologists/anthropologists	11,158	10,201	9,031	(†)	9,483	8,434	1,049	718	597	121	957	157	132	668
White/Caucasian	10,845	9,912	8,792	(†)	9,221	8,222	999	691	570	121	933	157	108	668
Black/Negro	179	167	117	(†)	167	117	50	(†)	(†)	(†)	12	(†)	12	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	122	110	110	(†)	83	83	(†)	27	27	(†)	12	(†)	(†)	(†)
Other races	12	12	12	(†)	12	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	17,028	14,768	12,887	1,881	14,156	12,292	1,864	612	595	17	2,260	203	894	1,163
White/Caucasian	16,561	14,317	12,509	1,808	13,731	11,940	1,791	586	569	17	2,244	203	894	1,147
Black/Negro	256	256	232	24	230	206	24	26	26	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	195	174	130	49	179	130	49	(†)	(†)	(†)	16	(†)	(†)	16
Other races	16	16	16	(†)	16	16	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) No cases reported.

Source: National Science Foundation, National Sample, 1974.

2

Table B-14.—Number of scientists and engineers receiving Federal support by field, agency of support, and highest degree: 1974

Field and agency of support	Total	Doctorate	Profes-sional/medical	Master's	Bachelor's	Associate	Other	No degree
Total, all fields	375,633	74,263	1,378	92,015	198,288	3,904	(†)	5,785
Department of Housing and Urban Development	12,532	630	17	2,483	8,947	36	(†)	369
Department of Interior	16,246	2,517	17	3,510	9,929	48	(†)	225
Department of Labor	4,215	610	(†)	879	2,460	229	(†)	37
Department of Defense	170,733	17,464	239	45,561	101,629	2,303	(†)	3,537
Department of Commerce	9,042	1,667	12	2,529	4,674	51	(†)	109
Department of Agriculture	26,152	8,513	25	5,191	12,388	(†)	(†)	35
Department of Transportation	34,886	1,854	65	6,323	24,595	834	(†)	1,215
Department of Justice	3,806	1,149	25	1,015	1,617	(†)	(†)	(†)
Department of Health, Education, and Welfare	35,553	20,189	758	7,935	6,552	119	(†)	(†)
National Institutes of Health	22,644	15,278	634	3,425	3,307	(†)	(†)	(†)
Office of Education	5,128	1,922	13	2,044	1,030	119	(†)	(†)
Other	7,781	2,989	111	2,466	2,215	(†)	(†)	(†)
National Aeronautics and Space Administration	51,320	6,888	63	13,950	28,685	806	(†)	928
National Science Foundation	21,005	14,317	50	3,121	3,517	(†)	(†)	(†)
Environmental Protection Agency	15,910	2,868	45	4,094	8,601	87	(†)	215
Atomic Energy Commission	28,048	7,804	14	6,842	12,724	210	(†)	454
Agency for International Development	1,830	686	12	537	595	(†)	(†)	(†)
Other agencies	16,010	3,311	54	3,868	8,493	123	(†)	161
Agency unknown	5,693	624	25	1,798	3,116	104	(†)	26
Agency not reported	10,575	3,541	119	2,534	4,317	64	(†)	(†)
Physical scientists	40,245	21,636	99	7,101	11,409	(†)	(†)	(†)
Department of Housing and Urban Development	70	13	(†)	30	27	(†)	(†)	(†)
Department of Interior	1,340	271	(†)	238	831	(†)	(†)	(†)
Department of Labor	49	24	(†)	(†)	25	(†)	(†)	(†)
Department of Defense	13,569	5,913	(†)	3,405	4,251	(†)	(†)	(†)
Department of Commerce	1,170	510	(†)	247	413	(†)	(†)	(†)
Department of Agriculture	2,014	963	(†)	327	724	(†)	(†)	(†)
Department of Transportation	871	158	(†)	226	487	(†)	(†)	(†)
Department of Justice	510	80	(†)	60	370	(†)	(†)	(†)
Department of Health, Education, and Welfare	8,128	5,762	75	882	1,409	(†)	(†)	(†)
National Institutes of Health	6,535	5,099	75	593	768	(†)	(†)	(†)
Office of Education	450	310	(†)	101	39	(†)	(†)	(†)
Other	1,143	353	(†)	188	602	(†)	(†)	(†)
National Aeronautics and Space Administration	4,696	2,434	24	1,065	1,173	(†)	(†)	(†)
National Science Foundation	6,537	5,412	23	428	674	(†)	(†)	(†)
Environmental Protection Agency	2,105	794	(†)	462	849	(†)	(†)	(†)
Atomic Energy Commission	7,561	4,497	(†)	1,250	1,814	(†)	(†)	(†)
Agency for International Development	153	58	(†)	86	9	(†)	(†)	(†)
Other agencies	1,468	817	(†)	303	348	(†)	(†)	(†)
Agency unknown	304	42	(†)	114	148	(†)	(†)	(†)
Agency not reported	834	407	(†)	160	267	(†)	(†)	(†)
Chemists	20,953	10,634	99	3,113	7,107	(†)	(†)	(†)
Department of Housing and Urban Development	30	(†)	(†)	30	(†)	(†)	(†)	(†)
Department of Interior	863	222	(†)	126	515	(†)	(†)	(†)
Department of Labor	25	(†)	(†)	(†)	25	(†)	(†)	(†)
Department of Defense	4,562	1,457	(†)	968	2,137	(†)	(†)	(†)
Department of Commerce	409	253	(†)	73	83	(†)	(†)	(†)
Department of Agriculture	1,776	926	(†)	274	576	(†)	(†)	(†)

Table B-14—Con.

Field and agency of support	Total	Doctorate	Profes-sional/medical	Master's	Bachelor's	Associate	Other	No degree
Department of Transportation	546	145	(†)	135	266	(†)	(†)	(†)
Department of Justice	334	56	(†)	60	218	(†)	(†)	(†)
Department of Health, Education, and Welfare	7,163	5,130	75	600	1,358	(†)	(†)	(†)
National Institutes of Health	5,898	4,608	75	484	731	(†)	(†)	(†)
Office of Education	232	193	(†)	(†)	39	(†)	(†)	(†)
Other	1,033	329	(†)	116	588	(†)	(†)	(†)
National Aeronautics and Space Administration	1,449	657	24	253	515	(†)	(†)	(†)
National Science Foundation	3,001	2,569	23	129	280	(†)	(†)	(†)
Environmental Protection Agency	1,545	577	(†)	302	666	(†)	(†)	(†)
Atomic Energy Commission	2,872	1,289	(†)	400	1,183	(†)	(†)	(†)
Agency for International Development	95	58	(†)	37	(†)	(†)	(†)	(†)
Other agencies	930	486	(†)	195	249	(†)	(†)	(†)
Agency unknown	171	24	(†)	24	123	(†)	(†)	(†)
Agency not reported	503	163	(†)	85	255	(†)	(†)	(†)
Physicists/astronomers	15,825	9,943	(†)	3,110	2,772	(†)	(†)	(†)
Department of Housing and Urban Development	13	(†)	(†)	(†)	13	(†)	(†)	(†)
Department of Interior	175	36	(†)	14	125	(†)	(†)	(†)
Department of Labor	11	11	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	7,460	3,987	(†)	1,969	1,504	(†)	(†)	(†)
Department of Commerce	454	219	(†)	110	125	(†)	(†)	(†)
Department of Agriculture	24	12	(†)	12	(†)	(†)	(†)	(†)
Department of Transportation	239	(†)	(†)	42	197	(†)	(†)	(†)
Department of Justice	48	24	(†)	(†)	24	(†)	(†)	(†)
Department of Health, Education, and Welfare	732	582	(†)	110	40	(†)	(†)	(†)
National Institutes of Health	551	465	(†)	60	26	(†)	(†)	(†)
Office of Education	156	117	(†)	39	(†)	(†)	(†)	(†)
Other	25	(†)	(†)	11	14	(†)	(†)	(†)
National Aeronautics and Space Administration	2,705	1,607	(†)	642	456	(†)	(†)	(†)
National Science Foundation	3,246	2,669	(†)	220	357	(†)	(†)	(†)
Environmental Protection Agency	421	165	(†)	99	157	(†)	(†)	(†)
Atomic Energy Commission	4,171	2,974	(†)	686	511	(†)	(†)	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agencies	333	204	(†)	81	48	(†)	(†)	(†)
Agency unknown	133	18	(†)	90	25	(†)	(†)	(†)
Agency not reported	267	208	(†)	59	(†)	(†)	(†)	(†)
Other physical scientists	3,467	1,059	(†)	878	1,530	(†)	(†)	(†)
Department of Housing and Urban Development	27	13	(†)	(†)	14	(†)	(†)	(†)
Department of Interior	302	13	(†)	98	191	(†)	(†)	(†)
Department of Labor	13	13	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	1,547	469	(†)	468	610	(†)	(†)	(†)
Department of Commerce	307	38	(†)	64	205	(†)	(†)	(†)
Department of Agriculture	214	25	(†)	41	148	(†)	(†)	(†)
Department of Transportation	86	13	(†)	49	24	(†)	(†)	(†)
Department of Justice	128	(†)	(†)	(†)	128	(†)	(†)	(†)
Department of Health, Education, and Welfare	233	50	(†)	172	11	(†)	(†)	(†)
National Institutes of Health	86	26	(†)	49	11	(†)	(†)	(†)
Office of Education	62	(†)	(†)	62	(†)	(†)	(†)	(†)
Other	85	24	(†)	61	(†)	(†)	(†)	(†)

Table B-14—Con.

Field and agency of support	Total	Doctorate	Profes-sional/medical	Master's	Bachelor's	Associate	Other	No degree
National Aeronautics and Space Administration	542	170	(†)	170	202	(†)	(†)	(†)
National Science Foundation	290	174	(†)	79	37	(†)	(†)	(†)
Environmental Protection Agency	139	52	(†)	61	26	(†)	(†)	(†)
Atomic Energy Commission	518	234	(†)	164	120	(†)	(†)	(†)
Agency for International Development	58	(†)	(†)	49	9	(†)	(†)	(†)
Other agencies	205	127	(†)	27	51	(†)	(†)	(†)
Agency unknown	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	64	36	(†)	16	12	(†)	(†)	(†)
Mathematical scientists	9,865	3,009	64	3,221	3,571	(†)	(†)	(†)
Department of Housing and Urban Development	128	13	(†)	50	65	(†)	(†)	(†)
Department of Interior	106	13	(†)	79	14	(†)	(†)	(†)
Department of Labor	445	12	(†)	70	363	(†)	(†)	(†)
Department of Defense	4,110	665	12	1,583	1,850	(†)	(†)	(†)
Department of Commerce	506	48	(†)	235	223	(†)	(†)	(†)
Department of Agriculture	536	112	(†)	161	263	(†)	(†)	(†)
Department of Transportation	457	88	(†)	187	182	(†)	(†)	(†)
Department of Justice	89	32	(†)	57	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	1,129	516	(†)	377	236	(†)	(†)	(†)
National Institutes of Health	542	340	(†)	149	53	(†)	(†)	(†)
Office of Education	238	53	(†)	172	13	(†)	(†)	(†)
Other	349	123	(†)	56	170	(†)	(†)	(†)
National Aeronautics and Space Administration	442	90	(†)	213	139	(†)	(†)	(†)
National Science Foundation	1,642	1,253	(†)	376	13	(†)	(†)	(†)
Environmental Protection Agency	230	74	(†)	141	15	(†)	(†)	(†)
Atomic Energy Commission	383	113	(†)	95	175	(†)	(†)	(†)
Agency for International Development	43	(†)	(†)	31	12	(†)	(†)	(†)
Other agencies	233	67	(†)	53	113	(†)	(†)	(†)
Agency unknown	135	31	(†)	104	(†)	(†)	(†)	(†)
Agency not reported	546	149	52	192	153	(†)	(†)	(†)
Mathematicians	6,563	2,135	64	2,147	2,217	(†)	(†)	(†)
Department of Housing and Urban Development	13	(†)	(†)	(†)	13	(†)	(†)	(†)
Department of Interior	92	13	(†)	79	(†)	(†)	(†)	(†)
Department of Labor	69	(†)	(†)	14	55	(†)	(†)	(†)
Department of Defense	3,487	542	12	1,320	1,613	(†)	(†)	(†)
Department of Commerce	95	12	(†)	58	25	(†)	(†)	(†)
Department of Agriculture	13	(†)	(†)	13	(†)	(†)	(†)	(†)
Department of Transportation	367	88	(†)	97	182	(†)	(†)	(†)
Department of Justice	51	19	(†)	32	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	367	135	(†)	145	87	(†)	(†)	(†)
National Institutes of Health	150	83	(†)	39	28	(†)	(†)	(†)
Office of Education	120	13	(†)	94	13	(†)	(†)	(†)
Other	97	39	(†)	12	46	(†)	(†)	(†)
National Aeronautics and Space Administration	416	90	(†)	187	139	(†)	(†)	(†)
National Science Foundation	1,423	1,190	(†)	233	(†)	(†)	(†)	(†)
Environmental Protection Agency	120	26	(†)	79	15	(†)	(†)	(†)
Atomic Energy Commission	359	101	(†)	83	175	(†)	(†)	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-14--Con.

Field and agency of support	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Other agencies	130	54	(†)	15	61	(†)	(†)	(†)
Agency unknown	102	31	(†)	71	(†)	(†)	(†)	(†)
Agency not reported	256	50	52	109	45	(†)	(†)	(†)
Statisticians	3,302	874	(†)	1,074	1,354	(†)	(†)	(†)
Department of Housing and Urban Development	115	13	(†)	50	52	(†)	(†)	(†)
Department of Interior	14	(†)	(†)	(†)	14	(†)	(†)	(†)
Department of Labor	376	12	(†)	56	308	(†)	(†)	(†)
Department of Defense	623	123	(†)	263	237	(†)	(†)	(†)
Department of Commerce	411	36	(†)	177	198	(†)	(†)	(†)
Department of Agriculture	523	112	(†)	148	263	(†)	(†)	(†)
Department of Transportation	90	(†)	(†)	90	(†)	(†)	(†)	(†)
Department of Justice	38	13	(†)	25	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	762	381	(†)	232	149	(†)	(†)	(†)
National Institutes of Health	392	257	(†)	110	25	(†)	(†)	(†)
Office of Education	118	40	(†)	78	(†)	(†)	(†)	(†)
Other	252	84	(†)	44	124	(†)	(†)	(†)
National Aeronautics and Space Administration	26	(†)	(†)	26	(†)	(†)	(†)	(†)
National Science Foundation	219	63	(†)	143	13	(†)	(†)	(†)
Environmental Protection Agency	110	48	(†)	62	(†)	(†)	(†)	(†)
Atomic Energy Commission	24	12	(†)	12	(†)	(†)	(†)	(†)
Agency for International Development	43	(†)	(†)	31	12	(†)	(†)	(†)
Other agencies	103	13	(†)	38	52	(†)	(†)	(†)
Agency unknown	33	(†)	(†)	33	(†)	(†)	(†)	(†)
Agency not reported	290	99	(†)	83	108	(†)	(†)	(†)
Computer specialists	13,347	950	(†)	3,787	8,610	(†)	(†)	(†)
Department of Housing and Urban Development	394	13	(†)	102	279	(†)	(†)	(†)
Department of Interior	151	(†)	(†)	(†)	151	(†)	(†)	(†)
Department of Labor	227	(†)	(†)	50	177	(†)	(†)	(†)
Department of Defense	7,600	441	(†)	2,332	4,827	(†)	(†)	(†)
Department of Commerce	177	(†)	(†)	52	125	(†)	(†)	(†)
Department of Agriculture	113	(†)	(†)	(†)	113	(†)	(†)	(†)
Department of Transportation	576	30	(†)	143	403	(†)	(†)	(†)
Department of Justice	408	61	(†)	82	265	(†)	(†)	(†)
Department of Health, Education, and Welfare	1,021	156	(†)	375	490	(†)	(†)	(†)
National Institutes of Health	525	129	(†)	209	187	(†)	(†)	(†)
Office of Education	226	15	(†)	96	115	(†)	(†)	(†)
Other	270	12	(†)	70	188	(†)	(†)	(†)
National Aeronautics and Space Administration	1,712	81	(†)	395	1,236	(†)	(†)	(†)
National Science Foundation	394	114	(†)	120	160	(†)	(†)	(†)
Environmental Protection Agency	196	(†)	(†)	48	148	(†)	(†)	(†)
Atomic Energy Commission	745	89	(†)	303	353	(†)	(†)	(†)
Agency for International Development	84	13	(†)	(†)	71	(†)	(†)	(†)
Other agencies	858	13	(†)	149	696	(†)	(†)	(†)
Agency unknown	393	27	(†)	124	242	(†)	(†)	(†)
Agency not reported	581	45	(†)	100	436	(†)	(†)	(†)
Environmental scientists	10,892	4,010	(†)	2,834	4,048	(†)	(†)	(†)
Department of Housing and Urban Development	124	12	(†)	12	100	(†)	(†)	(†)
Department of Interior	2,265	792	(†)	693	780	(†)	(†)	(†)

Table B-14—Con.

Field and agency of support	Total	Doctorate	Profes-sional/ medical	Master's	Bachelor's	Associate	Other	No degree
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	2,254	839	(†)	551	864	(†)	(†)	(†)
Department of Commerce	1,569	313	(†)	466	790	(†)	(†)	(†)
Department of Agriculture	833	164	(†)	277	392	(†)	(†)	(†)
Department of Transportation	508	75	(†)	161	272	(†)	(†)	(†)
Department of Justice	11	(†)	(†)	11	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	275	32	(†)	85	158	(†)	(†)	(†)
National Institutes of Health	28	(†)	(†)	(†)	28	(†)	(†)	(†)
Office of Education	212	21	(†)	61	130	(†)	(†)	(†)
Other	35	11	(†)	24	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	1,247	687	(†)	244	316	(†)	(†)	(†)
National Science Foundation	2,336	1,569	(†)	425	342	(†)	(†)	(†)
Environmental Protection Agency	416	214	(†)	104	98	(†)	(†)	(†)
Atomic Energy Commission	390	172	(†)	141	77	(†)	(†)	(†)
Agency for International Development	61	37	(†)	(†)	24	(†)	(†)	(†)
Other agencies	577	169	(†)	155	253	(†)	(†)	(†)
Agency unknown	212	69	(†)	13	130	(†)	(†)	(†)
Agency not reported	203	102	(†)	29	72	(†)	(†)	(†)
Earth scientists	7,349	2,751	(†)	1,613	2,985	(†)	(†)	(†)
Department of Housing and Urban Development	124	12	(†)	12	100	(†)	(†)	(†)
Department of Interior	2,159	781	(†)	611	767	(†)	(†)	(†)
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	1,194	348	(†)	246	600	(†)	(†)	(†)
Department of Commerce	281	139	(†)	27	115	(†)	(†)	(†)
Department of Agriculture	712	164	(†)	181	367	(†)	(†)	(†)
Department of Transportation	301	11	(†)	44	246	(†)	(†)	(†)
Department of Justice	11	(†)	(†)	11	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	253	22	(†)	73	158	(†)	(†)	(†)
National Institutes of Health	28	(†)	(†)	(†)	28	(†)	(†)	(†)
Office of Education	202	11	(†)	61	130	(†)	(†)	(†)
Other	23	11	(†)	12	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	867	545	(†)	114	208	(†)	(†)	(†)
National Science Foundation	1,650	1,054	(†)	307	289	(†)	(†)	(†)
Environmental Protection Agency	184	58	(†)	28	98	(†)	(†)	(†)
Atomic Energy Commission	231	100	(†)	92	39	(†)	(†)	(†)
Agency for International Development	49	37	(†)	(†)	12	(†)	(†)	(†)
Other agencies	457	84	(†)	146	227	(†)	(†)	(†)
Agency unknown	212	69	(†)	13	180	(†)	(†)	(†)
Agency not reported	162	102	(†)	12	48	(†)	(†)	(†)
Oceanographers	1,187	681	(†)	369	137	(†)	(†)	(†)
Department of Housing and Urban Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Interior	58	(†)	(†)	58	(†)	(†)	(†)	(†)
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	551	312	(†)	151	88	(†)	(†)	(†)
Department of Commerce	157	35	(†)	97	25	(†)	(†)	(†)
Department of Agriculture	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Transportation	64	52	(†)	12	(†)	(†)	(†)	(†)
Department of Justice	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	10	10	(†)	(†)	(†)	(†)	(†)	(†)

Table B-14—Con.

Field and agency of support	Total	Doctorate	Profes-sional/ medical	Master's	Bachelor's	Associate	Other	No degree
Department of HEW con.								
National Institutes of Health	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Office of Education	10	10	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	45	33	(†)	12	(†)	(†)	(†)	(†)
National Science Foundation	264	242	(†)	9	13	(†)	(†)	(†)
Environmental Protection Agency	94	81	(†)	13	(†)	(†)	(†)	(†)
Atomic Energy Commission	72	72	(†)	(†)	(†)	(†)	(†)	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agencies	94	85	(†)	9	(†)	(†)	(†)	(†)
Agency unknown	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	41	(†)	(†)	17	24	(†)	(†)	(†)
Atmospheric scientists	2,356	578	(†)	852	926	(†)	(†)	(†)
Department of Housing and Urban Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Interior	48	11	(†)	24	13	(†)	(†)	(†)
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	509	179	(†)	154	176	(†)	(†)	(†)
Department of Commerce	1,131	139	(†)	342	650	(†)	(†)	(†)
Department of Agriculture	121	(†)	(†)	96	25	(†)	(†)	(†)
Department of Transportation	143	12	(†)	105	26	(†)	(†)	(†)
Department of Justice	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	12	(†)	(†)	12	(†)	(†)	(†)	(†)
National Institutes of Health	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Office of Education	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	12	(†)	(†)	12	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	335	109	(†)	118	108	(†)	(†)	(†)
National Science Foundation	422	273	(†)	109	40	(†)	(†)	(†)
Environmental Protection Agency	138	75	(†)	63	(†)	(†)	(†)	(†)
Atomic Energy Commission	87	(†)	(†)	49	38	(†)	(†)	(†)
Agency for International Development	12	(†)	(†)	(†)	12	(†)	(†)	(†)
Other agencies	26	(†)	(†)	(†)	26	(†)	(†)	(†)
Agency unknown	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	238,099	14,980	384	58,837	154,209	3,904	(†)	5,785
Department of Housing and Urban Development	10,455	132	(†)	1,775	8,143	36	(†)	369
Department of Interior	8,369	634	(†)	1,282	6,180	48	(†)	225
Department of Labor	1,325	56	(†)	225	778	229	(†)	37
Department of Defense	138,245	7,853	216	36,026	88,310	2,303	(†)	3,537
Department of Commerce	4,119	312	12	954	2,681	51	(†)	109
Department of Agriculture	5,672	693	(†)	1,133	3,811	(†)	(†)	35
Department of Transportation	31,380	983	48	5,414	22,886	834	(†)	1,215
Department of Justice	1,184	77	(†)	292	815	(†)	(†)	(†)
Department of Health, Education, and Welfare	4,842	775	47	1,494	2,407	119	(†)	(†)
National Institutes of Health	2,551	728	(†)	706	1,117	(†)	(†)	(†)
Office of Education	1,057	(†)	(†)	335	603	119	(†)	(†)
Other	1,234	47	47	453	687	(†)	(†)	(†)
National Aeronautics and Space Administration	42,029	3,003	39	11,843	25,410	806	(†)	928
National Science Foundation	5,655	2,333	(†)	1,244	2,078	(†)	(†)	(†)

Table B-14—Con.

Field and agency of support	Total	Doctorate	Profes-sional/ medical	Master's	Bachelor's	Associate	Other	No degree
Environmental Protection Agency	11,332	912	33	2,861	7,224	87	(†)	215
Atomic Energy Commission	17,529	2,126	(†)	4,887	9,852	210	(†)	454
Agency for International Development	828	83	(†)	370	375	(†)	(†)	(†)
Other agencies	8,675	197	(†)	1,910	6,284	123	(†)	161
Agency unknown	3,138	37	(†)	621	2,350	104	(†)	26
Agency not reported	3,843	212	13	753	2,801	64	(†)	(†)
Life scientists	35,140	15,739	738	7,098	11,565	(†)	(†)	(†)
Department of Housing and Urban Development	151	50	(†)	24	77	(†)	(†)	(†)
Department of Interior	3,398	441	(†)	1,033	1,924	(†)	(†)	(†)
Department of Labor	80	13	(†)	11	56	(†)	(†)	(†)
Department of Defense	1,635	689	11	649	286	(†)	(†)	(†)
Department of Commerce	843	255	(†)	355	233	(†)	(†)	(†)
Department of Agriculture	14,608	5,154	25	2,567	6,862	(†)	(†)	(†)
Department of Transportation	240	131	(†)	26	83	(†)	(†)	(†)
Department of Justice	195	84	12	75	24	(†)	(†)	(†)
Department of Health, Education, and Welfare	10,224	6,874	623	1,476	1,251	(†)	(†)	(†)
National Institutes of Health	8,807	6,259	559	965	1,024	(†)	(†)	(†)
Office of Education	437	75	(†)	319	43	(†)	(†)	(†)
Other	980	540	64	192	184	(†)	(†)	(†)
National Aeronautics and Space Administration	573	395	(†)	113	65	(†)	(†)	(†)
National Science Foundation	2,799	2,198	27	410	164	(†)	(†)	(†)
Environmental Protection Agency	1,196	660	12	332	192	(†)	(†)	(†)
Atomic Energy Commission	1,058	621	14	121	302	(†)	(†)	(†)
Agency for International Development	301	213	(†)	(†)	88	(†)	(†)	(†)
Other agencies	1,247	471	37	355	384	(†)	(†)	(†)
Agency unknown	673	190	25	348	110	(†)	(†)	(†)
Agency not reported	760	403	54	174	129	(†)	(†)	(†)
Biological scientists	15,031	9,066	78	3,250	2,637	(†)	(†)	(†)
Department of Housing and Urban Development	61	50	(†)	11	(†)	(†)	(†)	(†)
Department of Interior	1,684	371	(†)	588	725	(†)	(†)	(†)
Department of Labor	24	13	(†)	11	(†)	(†)	(†)	(†)
Department of Defense	1,011	401	(†)	476	134	(†)	(†)	(†)
Department of Commerce	794	244	(†)	342	208	(†)	(†)	(†)
Department of Agriculture	2,375	1,700	(†)	397	278	(†)	(†)	(†)
Department of Transportation	168	83	(†)	26	59	(†)	(†)	(†)
Department of Justice	123	37	(†)	75	11	(†)	(†)	(†)
Department of Health, Education, and Welfare	5,913	4,523	66	760	564	(†)	(†)	(†)
National Institutes of Health	4,955	4,087	54	394	420	(†)	(†)	(†)
Office of Education	332	75	(†)	257	(†)	(†)	(†)	(†)
Other	626	361	12	109	144	(†)	(†)	(†)
National Aeronautics and Space Administration	394	263	(†)	90	41	(†)	(†)	(†)
National Science Foundation	2,386	1,898	(†)	376	112	(†)	(†)	(†)
Environmental Protection Agency	709	374	(†)	194	141	(†)	(†)	(†)
Atomic Energy Commission	902	587	(†)	121	194	(†)	(†)	(†)
Agency for International Development	49	37	(†)	(†)	12	(†)	(†)	(†)
Other agencies	782	261	12	256	253	(†)	(†)	(†)
Agency unknown	373	97	(†)	203	73	(†)	(†)	(†)
Agency not reported	288	184	(†)	56	48	(†)	(†)	(†)

Table B-14—Con.

Field and agency of support	Total	Doctorate	Profes-sional/ medical	Master's	Bachelor's	Associate	Other	No degree
Agricultural scientists	14,935	3,757	25	3,050	8,103	(†)	(†)	(†)
Department of Housing and Urban Development	38	(†)	(†)	(†)	38	(†)	(†)	(†)
Department of Interior	1,701	70	(†)	432	1,199	(†)	(†)	(†)
Department of Labor	29	(†)	(†)	(†)	29	(†)	(†)	(†)
Department of Defense	310	12	(†)	146	152	(†)	(†)	(†)
Department of Commerce	36	11	(†)	(†)	25	(†)	(†)	(†)
Department of Agriculture	12,112	3,333	25	2,170	6,584	(†)	(†)	(†)
Department of Transportation	47	23	(†)	(†)	24	(†)	(†)	(†)
Department of Justice	13	(†)	(†)	(†)	13	(†)	(†)	(†)
Department of Health, Education, and Welfare	317	160	(†)	121	36	(†)	(†)	(†)
National Institutes of Health	269	147	(†)	109	13	(†)	(†)	(†)
Office of Education	11	(†)	(†)	(†)	11	(†)	(†)	(†)
Other	37	13	(†)	12	12	(†)	(†)	†()
National Aeronautics and Space Administration	84	37	(†)	23	24	(†)	(†)	(†)
National Science Foundation	323	289	(†)	34	(†)	(†)	(†)	(†)
Environmental Protection Agency	421	247	(†)	123	51	(†)	(†)	(†)
Atomic Energy Commission	24	11	(†)	(†)	13	(†)	(†)	(†)
Agency for International Development	252	176	(†)	(†)	76	(†)	(†)	(†)
Other agencies	219	145	(†)	11	63	(†)	(†)	(†)
Agency unknown	89	(†)	(†)	52	37	(†)	(†)	(†)
Agency not reported	128	26	(†)	21	81	(†)	(†)	(†)
Medical scientists	5,174	2,916	635	798	825	(†)	(†)	(†)
Department of Housing and Urban Development	52	(†)	(†)	13	39	(†)	(†)	(†)
Department of Interior	13	(†)	(†)	13	(†)	(†)	(†)	(†)
Department of Labor	27	(†)	(†)	(†)	27	(†)	(†)	(†)
Department of Defense	314	276	11	27	(†)	(†)	(†)	(†)
Department of Commerce	13	(†)	(†)	13	(†)	(†)	(†)	(†)
Department of Agriculture	121	121	(†)	(†)	(†)	(†)	(†)	(†)
Department of Transportation	25	25	(†)	(†)	(†)	(†)	(†)	(†)
Department of Justice	59	47	12	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	3,994	2,191	557	595	651	(†)	(†)	(†)
National Institutes of Health	3,583	2,025	505	462	591	(†)	(†)	(†)
Office of Education	94	(†)	(†)	62	32	(†)	(†)	(†)
Other	317	166	52	71	28	(†)	(†)	(†)
National Aeronautics and Space Administration	95	95	(†)	(†)	(†)	(†)	(†)	(†)
National Science Foundation	90	11	27	(†)	52	(†)	(†)	(†)
Environmental Protection Agency	66	39	12	15	(†)	(†)	(†)	(†)
Atomic Energy Commission	132	23	14	(†)	95	(†)	(†)	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agencies	246	65	25	88	68	(†)	(†)	(†)
Agency unknown	211	93	25	93	(†)	(†)	(†)	(†)
Agency not reported	344	193	54	97	(†)	(†)	(†)	(†)
Psychologists	11,471	7,370	13	3,122	966	(†)	(†)	(†)
Department of Housing and Urban Development	80	80	(†)	(†)	(†)	(†)	(†)	(†)
Department of Interior	13	13	(†)	(†)	(†)	(†)	(†)	(†)
Department of Labor	271	141	(†)	13	117	(†)	(†)	(†)
Department of Defense	1,336	668	(†)	418	250	(†)	(†)	(†)
Department of Commerce	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Agriculture	107	(†)	(†)	107	(†)	(†)	(†)	(†)

Table B-14—Con.

Field and agency of support	Total	Doctorate	Profes-sional/ medical	Master's	Bachelor's	Associate	Other	No degree
Department of Transportation	348	270	(†)	78	(†)	(†)	(†)	(†)
Department of Justice	618	408	13	197	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	5,757	3,920	13	1,640	184	(†)	(†)	(†)
National Institutes of Health	2,540	2,056	(†)	431	53	(†)	(†)	(†)
Office of Education	1,835	849	13	901	72	(†)	(†)	(†)
Other	1,382	1,015	(†)	308	59	(†)	(†)	(†)
National Aeronautics and Space Administration	208	52	(†)	26	130	(†)	(†)	(†)
National Science Foundation	646	619	(†)	27	(†)	(†)	(†)	(†)
Environmental Protection Agency	13	13	(†)	(†)	(†)	(†)	(†)	(†)
Atomic Energy Commission	221	105	(†)	(†)	116	(†)	(†)	(†)
Agency for International Development	25	25	(†)	(†)	(†)	(†)	(†)	(†)
Other agencies	1,108	760	(†)	270	78	(†)	(†)	(†)
Agency unknown	452	140	(†)	235	77	(†)	(†)	(†)
Agency not reported	2,214	1,510	(†)	458	246	(†)	(†)	(†)
Social scientists	16,574	6,569	80	6,015	3,910	(†)	(†)	(†)
Department of Housing and Urban Development	1,130	367	17	490	256	(†)	(†)	(†)
Department of Interior	604	353	17	185	49	(†)	(†)	(†)
Department of Labor	1,818	364	(†)	510	944	(†)	(†)	(†)
Department of Defense	1,984	396	(†)	597	991	(†)	(†)	(†)
Department of Commerce	658	229	(†)	220	209	(†)	(†)	(†)
Department of Agriculture	2,269	1,427	(†)	619	223	(†)	(†)	†()
Department of Transportation	506	119	17	88	282	(†)	(†)	(†)
Department of Justice	791	407	(†)	241	143	(†)	(†)	(†)
Department of Health, Education, and Welfare	4,177	2,154	(†)	1,606	417	(†)	(†)	(†)
National Institutes of Health	1,116	667	(†)	372	77	(†)	(†)	(†)
Office of Education	673	599	(†)	59	15	(†)	(†)	(†)
Other	2,388	888	(†)	1,175	325	(†)	(†)	(†)
National Aeronautics and Space Administration	413	146	(†)	51	216	(†)	(†)	(†)
National Science Foundation	996	819	(†)	91	86	(†)	(†)	(†)
Environmental Protection Agency	422	201	(†)	146	75	(†)	(†)	(†)
Atomic Energy Commission	161	81	(†)	45	35	(†)	(†)	(†)
Agency for International Development	335	257	12	50	16	(†)	(†)	(†)
Other agencies	1,844	817	17	673	337	(†)	(†)	(†)
Agency unknown	386	88	(†)	239	59	(†)	(†)	(†)
Agency not reported	1,594	713	(†)	668	213	(†)	(†)	(†)
Economists	6,935	2,952	51	2,086	1,846	(†)	(†)	(†)
Department of Housing and Urban Development	566	264	(†)	214	88	(†)	(†)	(†)
Department of Interior	338	129	17	159	33	(†)	(†)	(†)
Department of Labor	813	170	(†)	217	426	(†)	(†)	(†)
Department of Defense	860	243	(†)	186	431	(†)	(†)	(†)
Department of Commerce	508	180	(†)	177	151	(†)	(†)	(†)
Department of Agriculture	1,825	1,072	(†)	543	210	(†)	(†)	(†)
Department of Transportation	332	31	17	63	221	(†)	(†)	(†)
Department of Justice	112	59	(†)	(†)	53	(†)	(†)	(†)
Department of Health, Education, and Welfare	423	269	(†)	89	65	(†)	(†)	(†)
National Institutes of Health	57	40	(†)	17	(†)	(†)	(†)	(†)
Office of Education	78	59	(†)	19	(†)	(†)	(†)	(†)
Other	288	170	(†)	53	65	(†)	(†)	(†)
National Aeronautics and Space Administration	170	52	(†)	51	67	(†)	(†)	(†)

111

Table B-14—Con.

Field and agency of support	Total	Doctorate	Profes-sional/ medical	Master's	Bachelor's	Associate	Other	No degree
National Science Foundation	313	250	(†)	(†)	63	(†)	(†)	(†)
Environmental Protection Agency	330	152	(†)	129	49	(†)	(†)	(†)
Atomic Energy Commission	85	32	(†)	34	19	(†)	(†)	(†)
Agency for International Development	189	139	(†)	34	16	(†)	(†)	(†)
Other agencies	956	383	17	342	214	(†)	(†)	(†)
Agency unknown	48	(†)	(†)	31	17	(†)	(†)	(†)
Agency not reported	341	214	(†)	45	82	(†)	(†)	(†)
Sociologists/anthropologists	3,199	2,040	(†)	898	261	(†)	(†)	(†)
Department of Housing and Urban Development	52	13	(†)	29	10	(†)	(†)	(†)
Department of Interior	140	124	(†)	(†)	16	(†)	(†)	(†)
Department of Labor	118	54	(†)	64	(†)	(†)	(†)	(†)
Department of Defense	23	(†)	(†)	23	(†)	(†)	(†)	(†)
Department of Commerce	15	(†)	(†)	15	(†)	(†)	(†)	(†)
Department of Agriculture	239	209	(†)	30	(†)	(†)	(†)	(†)
Department of Transportation	49	39	(†)	(†)	10	(†)	(†)	(†)
Department of Justice	272	180	(†)	16	76	(†)	(†)	(†)
Department of Health, Education, and Welfare	1,290	752	(†)	528	10	(†)	(†)	(†)
National Institutes of Health	543	366	(†)	177	(†)	(†)	(†)	(†)
Office of Education	170	170	(†)	(†)	(†)	(†)	(†)	(†)
Other	577	216	(†)	351	10	(†)	(†)	(†)
National Aeronautics and Space Administration	31	15	(†)	(†)	16	(†)	(†)	(†)
National Science Foundation	544	458	(†)	76	10	(†)	(†)	(†)
Environmental Protection Agency	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atomic Energy Commission	16	(†)	(†)	(†)	16	(†)	(†)	(†)
Agency for International Development	42	26	(†)	16	(†)	(†)	(†)	(†)
Other agencies	206	192	(†)	14	(†)	(†)	(†)	(†)
Agency unknown	56	27	(†)	13	16	(†)	(†)	(†)
Agency not reported	567	200	(†)	250	117	(†)	(†)	(†)
Other social scientists	6,440	1,577	29	3,031	1,803	(†)	(†)	(†)
Department of Housing and Urban Development	512	90	17	247	158	(†)	(†)	(†)
Department of Interior	126	100	(†)	26	(†)	(†)	(†)	(†)
Department of Labor	887	140	(†)	229	518	(†)	(†)	(†)
Department of Defense	1,101	153	(†)	388	560	(†)	(†)	(†)
Department of Commerce	135	49	(†)	28	58	(†)	(†)	(†)
Department of Agriculture	205	146	(†)	46	13	(†)	(†)	(†)
Department of Transportation	125	49	(†)	25	51	(†)	(†)	(†)
Department of Justice	407	168	(†)	225	14	(†)	(†)	(†)
Department of Health, Education, and Welfare	2,464	1,133	(†)	989	342	(†)	(†)	(†)
National Institutes of Health	516	261	(†)	178	77	(†)	(†)	(†)
Office of Education	425	370	(†)	40	15	(†)	(†)	(†)
Other	1,523	502	(†)	771	250	(†)	(†)	(†)
National Aeronautics and Space Administration	212	79	(†)	(†)	133	(†)	(†)	(†)
National Science Foundation	139	111	(†)	15	13	(†)	(†)	(†)
Environmental Protection Agency	92	49	(†)	17	26	(†)	(†)	(†)
Atomic Energy Commission	60	49	(†)	11	(†)	(†)	(†)	(†)
Agency for International Development	104	92	12	(†)	(†)	(†)	(†)	(†)
Other agencies	682	242	(†)	317	123	(†)	(†)	(†)
Agency unknown	282	61	(†)	195	26	(†)	(†)	(†)
Agency not reported	686	299	(†)	373	14	(†)	(†)	(†)

(†) No cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-15.—Number of scientists and engineers receiving Federal support by field, agency of support, and type of employer: 1974

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Total, all fields	375,633	127,597	53,429	49,169	1,210	3,050	4,270	19,604	92,180	2,807	47,623	2,939	24,843	341
Department of Housing and Urban Development	12,532	6,949	322	243	27	52	35	473	879	(†)	3,295	202	308	69
Department of Interior	16,246	2,517	1,761	1,685	24	52	(†)	413	8,037	(†)	2,684	76	758	(†)
Department of Labor	9,215	699	453	412	41	(†)	(†)	119	747	(†)	2,013	16	168	(†)
Department of Defense	170,733	88,545	5,600	5,350	(†)	250	158	7,418	43,082	2,351	7,560	1,924	13,957	138
Department of Commerce	9,042	2,054	1,060	1,009	(†)	51	(†)	271	3,935	65	1,089	48	520	(†)
Department of Agriculture	26,152	2,413	6,939	6,736	(†)	203	37	256	13,843	(†)	2,532	120	12	(†)
Department of Transportation	34,886	10,867	1,116	1,104	(†)	12	(†)	1,499	3,615	39	16,430	162	1,103	58
Department of Justice	3,806	759	1,038	796	132	110	79	292	398	(†)	833	40	367	(†)
Department of Health, Education, and Welfare	35,528	1,763	19,687	16,764	772	2,151	2,041	4,274	3,603	11	2,676	234	1,239	(†)
National Institutes of Health	22,644	946	13,392	13,072	48	272	1,745	2,938	1,640	(†)	914	41	1,015	13
Office of Education	5,128	417	3,597	1,519	567	1,511	51	454	225	(†)	234	64	74	12
Other Health, Education, and Welfare	7,781	400	2,698	2,173	157	368	245	882	1,738	11	1,528	129	150	(†)
National Aeronautics and Space Administration	51,320	28,219	4,193	4,193	(†)	(†)	(†)	2,384	7,662	13	2,111	548	6,128	62
National Science Foundation	21,005	826	16,387	16,118	157	112	82	2,110	554	(†)	547	12	475	12
Environmental Protection Agency	15,910	7,073	1,583	1,583	(†)	(†)	(†)	1,000	1,898	13	3,179	134	991	39
Atomic Energy Commission	28,048	9,556	3,515	3,418	(†)	97	88	4,295	2,943	(†)	2,386	140	5,125	(†)
Agency for International Development	1,830	582	665	651	(†)	14	(†)	(†)	347	(†)	76	127	33	(†)
Other agency	16,010	4,038	1,851	1,622	12	217	928	935	4,408	198	2,476	284	880	12
Agency unknown	5,693	2,240	1,457	931	291	235	118	324	367	(†)	713	75	399	(†)
Agency not reported	10,575	2,048	1,694	1,526	38	130	1,054	957	2,385	128	1,796	88	425	(†)
Physical scientists	40,245	4,844	12,456	12,204	96	156	810	4,095	10,540	163	3,644	106	3,548	39
Department of Housing and Urban Development	70	(†)	(†)	(†)	(†)	(†)	(†)	13	27	(†)	30	(†)	(†)	(†)
Department of Interior	1,340	115	36	24	12	(†)	(†)	99	775	(†)	226	(†)	89	(†)
Department of Labor	49	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	36	(†)	(†)	(†)
Department of Defense	13,569	2,913	1,362	1,362	(†)	(†)	73	1,273	4,951	86	795	47	2,069	(†)
Department of Commerce	1,170	(†)	72	72	(†)	(†)	(†)	61	867	65	84	(†)	12	(†)
Department of Agriculture	2,014	35	512	405	(†)	107	(†)	43	1,266	(†)	120	38	(†)	(†)
Department of Transportation	871	198	116	116	(†)	(†)	(†)	136	123	(†)	234	(†)	64	(†)
Department of Justice	510	12	56	56	(†)	(†)	(†)	35	140	(†)	244	(†)	12	(†)
Department of Health, Education, and Welfare	8,128	138	4,457	4,410	47	(†)	419	1,326	996	(†)	401	(†)	391	(†)
National Institutes of Health	6,535	101	3,841	3,841	(†)	(†)	395	1,177	420	(†)	210	(†)	391	(†)
Office of Education	450	(†)	333	297	36	(†)	(†)	117	(†)	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	1,143	37	282	272	11	(†)	24	32	576	(†)	191	(†)	(†)	(†)

Table B-15–Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
National Aeronautics and Space Administration	4,696	1,186	1,388	1,388	(†)	(†)	(†)	537	609	(†)	159	12	805	(†)
National Science Foundation	6,537	121	5,532	5,469	26	37	12	667	116	(†)	76	(†)	13	(†)
Environmental Protection Agency	2,105	295	394	394	(†)	(†)	(†)	427	403	(†)	358	(†)	189	39
Atomic Energy Commission	7,561	976	1,931	1,919	(†)	12	88	1,590	1,098	(†)	885	(†)	993	(†)
Agency for International Development	153	(†)	107	107	(†)	(†)	(†)	(†)	46	(†)	(†)	(†)	(†)	(†)
Other agency	1,468	161	352	352	(†)	(†)	337	163	189	12	150	24	80	(†)
Agency unknown	304	153	66	55	11	(†)	(†)	12	(†)	(†)	36	(†)	37	(†)
Agency not reported	834	62	283	283	(†)	(†)	35	121	158	(†)	130	21	24	(†)
Chemists	20,953	2,640	6,923	6,816	(†)	107	773	1,896	5,178	62	2,136	106	1,200	39
Department of Housing and Urban Development	30	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	30	(†)	(†)	(†)
Department of Interior	863	91	24	24	(†)	(†)	(†)	86	461	(†)	164	(†)	37	(†)
Department of Labor	25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	25	(†)	(†)	(†)
Department of Defense	4,562	1,358	211	211	(†)	(†)	73	437	1,681	62	266	47	427	(†)
Department of Commerce	409	(†)	20	20	(†)	(†)	(†)	36	294	(†)	47	(†)	12	(†)
Department of Agriculture	1,776	35	512	405	(†)	107	(†)	30	1,065	(†)	96	38	(†)	(†)
Department of Transportation	546	66	49	49	(†)	(†)	(†)	111	98	(†)	210	(†)	12	(†)
Department of Justice	334	(†)	44	44	(†)	(†)	(†)	35	127	(†)	116	(†)	12	(†)
Department of Health, Education, and Welfare	7,163	125	4,162	4,162	(†)	(†)	382	992	969	(†)	352	(†)	181	(†)
National Institutes of Health	5,898	88	3,743	3,743	(†)	(†)	358	962	393	(†)	173	(†)	181	(†)
Office of Education	232	(†)	220	220	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	1,033	37	199	199	(†)	(†)	24	18	576	(†)	179	(†)	(†)	(†)
National Aeronautics and Space Administration	1,449	582	319	319	(†)	(†)	(†)	200	75	(†)	49	12	212	(†)
National Science Foundation	3,001	51	2,648	2,648	(†)	(†)	(†)	250	(†)	(†)	52	(†)	(†)	(†)
Environmental Protection Agency	1,545	151	321	321	(†)	(†)	(†)	237	338	(†)	333	(†)	126	39
Atomic Energy Commission	2,872	616	429	429	(†)	(†)	76	581	374	(†)	355	(†)	441	(†)
Agency for International Development	95	(†)	58	58	(†)	(†)	(†)	(†)	37	(†)	(†)	(†)	(†)	(†)
Other agency	930	86	185	185	(†)	(†)	324	112	100	(†)	99	24	(†)	(†)
Agency unknown	171	87	24	24	(†)	(†)	(†)	(†)	(†)	(†)	36	(†)	24	(†)
Agency not reported	503	50	130	130	(†)	(†)	35	25	116	(†)	102	21	24	(†)
Physicists/astronomers	15,825	1,825	5,226	5,116	83	37	37	1,956	3,819	101	873	(†)	1,978	(†)
Department of Housing and Urban Development	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Department of Interior	175	24	12	(†)	12	(†)	(†)	(†)	87	(†)	(†)	(†)	52	(†)

Table B-15—Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Department of Labor	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)
Department of Defense	7,460	1,283	1,065	1,065	(†)	(†)	(†)	723	2,634	24	291	(†)	1,440	(†)
Department of Commerce	454	(†)	52	52	(†)	(†)	(†)	12	313	65	12	(†)	(†)	(†)
Department of Agriculture	24	(†)	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	(†)	(†)	(†)	(†)
Department of Transportation	239	132	18	18	(†)	(†)	(†)	12	13	(†)	12	(†)	52	(†)
Department of Justice	48	12	23	12	11	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	732	13	100	66	34	(†)	37	321	27	(†)	24	(†)	210	(†)
National Institutes of Health	551	13	38	38	(†)	(†)	37	202	27	(†)	24	(†)	210	(†)
Office of Education	156	(†)	51	28	23	(†)	(†)	105	(†)	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	25	(†)	11	(†)	11	(†)	(†)	14	(†)	(†)	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	2,705	388	1,008	1,008	(†)	(†)	(†)	324	401	(†)	95	(†)	489	(†)
National Science Foundation	3,246	70	2,710	2,647	26	37	12	404	26	(†)	24	(†)	(†)	(†)
Environmental Protection Agency	421	144	24	24	(†)	(†)	(†)	177	27	(†)	25	(†)	24	(†)
Atomic Energy Commission	4,171	348	1,405	1,405	(†)	(†)	12	902	599	(†)	454	(†)	451	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agency	333	75	106	106	(†)	(†)	13	26	48	12	11	(†)	42	(†)
Agency unknown	133	66	42	31	11	(†)	(†)	12	(†)	(†)	(†)	(†)	13	(†)
Agency not reported	267	12	153	153	(†)	(†)	(†)	60	30	(†)	12	(†)	(†)	(†)
Other physical scientists	3,467	379	297	272	13	12	(†)	243	1,543	(†)	635	(†)	370	(†)
Department of Housing and Urban Development	27	(†)	(†)	(†)	(†)	(†)	(†)	13	14	(†)	(†)	(†)	(†)	(†)
Department of Interior	302	(†)	(†)	(†)	(†)	(†)	(†)	13	227	(†)	62	(†)	(†)	(†)
Department of Labor	13	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	1,547	272	86	86	(†)	(†)	(†)	113	636	(†)	238	(†)	202	(†)
Department of Commerce	307	(†)	(†)	(†)	(†)	(†)	(†)	13	269	(†)	25	(†)	(†)	(†)
Department of Agriculture	214	(†)	(†)	(†)	(†)	(†)	(†)	13	177	(†)	24	(†)	(†)	(†)
Department of Transportation	86	(†)	49	49	(†)	(†)	(†)	13	12	(†)	12	(†)	(†)	(†)
Department of Justice	128	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	128	(†)	(†)	(†)
Department of Health, Education, and Welfare	233	(†)	195	182	13	(†)	(†)	13	(†)	(†)	25	(†)	(†)	(†)
National Institutes of Health	86	(†)	60	60	(†)	(†)	(†)	13	(†)	(†)	13	(†)	(†)	(†)
Office of Education	62	(†)	62	49	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	85	(†)	73	73	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)
National Aeronautics and Space Administration	542	216	61	61	(†)	(†)	(†)	13	133	(†)	15	(†)	104	(†)
National Science Foundation	290	(†)	174	174	(†)	(†)	(†)	13	90	(†)	(†)	(†)	13	(†)

Table B-15–Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Environmental Protection Agency	139	(†)	49	49	(†)	(†)	(†)	13	38	(†)	(†)	(†)	39	(†)
Atomic Energy Commission	518	12	97	85	(†)	12	(†)	107	125	(†)	76	(†)	101	(†)
Agency for International Development	58	(†)	49	49	(†)	(†)	(†)	(†)	9	(†)	(†)	(†)	(†)	(†)
Other agency	205	(†)	61	61	(†)	(†)	(†)	25	41	(†)	40	(†)	38	(†)
Agency unknown	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	64	(†)	(†)	(†)	(†)	(†)	(†)	36	12	(†)	16	(†)	(†)	(†)
Mathematical scientists	9,865	1,189	2,383	2,140	143	100	92	435	3,574	133	1,257	28	705	69
Department of Housing and Urban Development	128	13	(†)	(†)	(†)	(†)	(†)	(†)	50	(†)	12	(†)	39	14
Department of Interior	106	35	(†)	(†)	(†)	(†)	(†)	(†)	58	(†)	(†)	(†)	13	(†)
Department of Labor	445	14	12	12	(†)	(†)	(†)	(†)	72	(†)	330	(†)	17	(†)
Department of Defense	4,110	852	214	214	(†)	(†)	12	178	1,792	120	318	(†)	566	55
Department of Commerce	506	(†)	(†)	(†)	(†)	(†)	(†)	13	393	(†)	75	(†)	25	(†)
Department of Agriculture	536	(†)	88	88	(†)	(†)	(†)	13	397	(†)	38	(†)	(†)	(†)
Department of Transportation	457	126	(†)	(†)	(†)	(†)	(†)	30	139	(†)	49	(†)	113	(†)
Department of Justice	89	(†)	19	(†)	19	(†)	(†)	(†)	25	(†)	32	(†)	13	(†)
Department of Health, Education, and Welfare	1,129	26	530	405	25	100	80	125	264	(†)	91	(†)	13	(†)
National Institutes of Health	542	13	272	258	(†)	14	67	40	98	(†)	39	(†)	13	(†)
Office of Education	238	13	134	77	25	32	(†)	39	52	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	349	(†)	124	70	(†)	54	13	46	114	(†)	52	(†)	(†)	(†)
National Aeronautics and Space Administration	442	120	(†)	(†)	(†)	(†)	(†)	30	198	(†)	26	(†)	68	(†)
National Science Foundation	1,642	25	1,542	1,480	62	(†)	(†)	12	50	(†)	(†)	(†)	13	(†)
Environmental Protection Agency	230	40	18	18	(†)	(†)	(†)	79	54	13	(†)	(†)	26	(†)
Atomic Energy Commission	383	195	(†)	(†)	(†)	(†)	(†)	55	50	(†)	42	(†)	41	(†)
Agency for International Development	43	(†)	(†)	(†)	(†)	(†)	(†)	(†)	43	(†)	(†)	(†)	(†)	(†)
Other agency	233	(†)	13	13	(†)	(†)	(†)	31	88	(†)	73	28	(†)	(†)
Agency unknown	135	(†)	106	57	49	(†)	(†)	14	(†)	(†)	(†)	(†)	15	(†)
Agency not reported	546	12	38	38	(†)	(†)	(†)	30	259	(†)	207	(†)	(†)	(†)
Mathematicians	6,563	1,059	1,793	1,604	143	46	(†)	309	2,121	81	584	(†)	561	55
Department of Housing and Urban Development	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)
Department of Interior	92	35	(†)	(†)	(†)	(†)	(†)	(†)	44	(†)	(†)	(†)	13	(†)
Department of Labor	69	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	38	(†)	17	(†)
Department of Defense	3,487	748	172	172	(†)	(†)	(†)	178	1,568	81	212	(†)	473	55
Department of Commerce	95	(†)	(†)	(†)	(†)	(†)	(†)	(†)	82	(†)	(†)	(†)	13	(†)

Table B-15—Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/university	2-year college	Other								
Department of Agriculture	13	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)
Department of Transportation	367	87	(†)	(†)	(†)	(†)	(†)	30	114	(†)	36	(†)	100	(†)
Department of Justice	51	(†)	19	(†)	19	(†)	(†)	(†)	(†)	(†)	32	(†)	(†)	(†)
Department of Health, Education, and Welfare	367	13	216	145	25	46	(†)	48	52	(†)	25	(†)	13	(†)
National Institutes of Health	150	13	70	56	(†)	14	(†)	15	39	(†)	(†)	(†)	13	(†)
Office of Education	120	(†)	107	50	25	32	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	97	(†)	39	39	(†)	(†)	(†)	33	(†)	(†)	25	(†)	(†)	(†)
National Aeronautics and Space Administration	416	107	(†)	(†)	(†)	(†)	(†)	30	185	(†)	26	(†)	68	(†)
National Science Foundation	1,423	12	1,361	1,299	62	(†)	(†)	12	25	(†)	(†)	(†)	13	(†)
Environmental Protection Agency	120	27	(†)	(†)	(†)	(†)	(†)	30	37	(†)	(†)	(†)	26	(†)
Atomic Energy Commission	359	195	(†)	(†)	(†)	(†)	(†)	43	50	(†)	30	(†)	41	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agency	130	(†)	13	13	(†)	(†)	(†)	31	26	(†)	60	(†)	(†)	(†)
Agency unknown	102	(†)	87	38	49	(†)	(†)	(†)	(†)	(†)	(†)	(†)	15	(†)
Agency not reported	256	12	25	25	(†)	(†)	(†)	30	28	(†)	161	(†)	(†)	(†)
Statisticians	3,302	130	590	536	(†)	54	92	126	1,453	52	673	28	144	14
Department of Housing and Urban Development	115	13	(†)	(†)	(†)	(†)	(†)	(†)	50	(†)	12	(†)	26	14
Department of Interior	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)	(†)	(†)	(†)	(†)
Department of Labor	376	(†)	12	12	(†)	(†)	(†)	(†)	72	(†)	292	(†)	(†)	(†)
Department of Defense	623	104	42	42	(†)	(†)	12	(†)	227	39	106	(†)	93	(†)
Department of Commerce	411	(†)	(†)	(†)	(†)	(†)	(†)	13	311	(†)	75	(†)	12	(†)
Department of Agriculture	523	(†)	88	88	(†)	(†)	(†)	(†)	397	(†)	38	(†)	(†)	(†)
Department of Transportation	90	39	(†)	(†)	(†)	(†)	(†)	(†)	25	(†)	13	(†)	13	(†)
Department of Justice	38	(†)	(†)	(†)	(†)	(†)	(†)	(†)	25	(†)	(†)	(†)	13	(†)
Department of Health, Education, and Welfare	762	13	314	260	(†)	54	80	77	212	(†)	66	(†)	(†)	(†)
National Institutes of Health	392	(†)	202	202	(†)	(†)	67	25	59	(†)	39	(†)	(†)	(†)
Office of Education	118	13	27	27	(†)	(†)	(†)	39	39	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	252	(†)	85	31	(†)	54	13	13	114	(†)	27	(†)	(†)	(†)
National Aeronautics and Space Administration	26	13	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
National Science Foundation	219	13	181	181	(†)	(†)	(†)	(†)	25	(†)	(†)	(†)	(†)	(†)
Environmental Protection Agency	110	13	18	18	(†)	(†)	(†)	49	17	13	(†)	(†)	(†)	(†)
Atomic Energy Commission	24	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	12	(†)	(†)	(†)

Table B-15—Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Agency for International Development	43	(†)	(†)	(†)	(†)	(†)	(†)	(†)	43	(†)	(†)	(†)	(†)	(†)
Other agency	103	(†)	(†)	(†)	(†)	(†)	(†)	(†)	62	(†)	13	28	(†)	(†)
Agency unknown	33	(†)	19	19	(†)	(†)	(†)	14	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	290	(†)	13	13	(†)	(†)	(†)	(†)	231	(†)	46	(†)	(†)	(†)
Computer specialists	13,347	4,307	863	769	25	69	92	804	3,236	242	1,608	296	1,879	20
Department of Housing and Urban Development	394	210	13	13	(†)	(†)	(†)	52	70	(†)	13	(†)	36	(†)
Department of Interior	151	(†)	17	17	(†)	(†)	(†)	(†)	65	(†)	(†)	52	17	(†)
Department of Labor	227	50	(†)	(†)	(†)	(†)	(†)	(†)	72	(†)	72	16	17	(†)
Department of Defense	7,600	3,165	238	219	(†)	19	(†)	348	1,817	192	640	120	1,060	20
Department of Commerce	177	48	(†)	(†)	(†)	(†)	(†)	(†)	103	(†)	13	(†)	13	(†)
Department of Agriculture	113	13	(†)	(†)	(†)	(†)	(†)	(†)	65	(†)	35	(†)	(†)	(†)
Department of Transportation	576	243	13	13	(†)	(†)	(†)	17	121	(†)	128	(†)	54	(†)
Department of Justice	408	69	61	61	(†)	(†)	(†)	67	19	(†)	102	(†)	90	(†)
Department of Health, Education, and Welfare	1,021	203	276	213	13	50	92	32	183	(†)	125	(†)	110	(†)
National Institutes of Health	525	86	100	100	(†)	(†)	92	16	151	(†)	35	(†)	45	(†)
Office of Education	226	33	111	48	13	50	(†)	16	15	(†)	34	(†)	17	(†)
Other Health, Education, and Welfare	270	84	65	65	(†)	(†)	(†)	(†)	17	(†)	56	(†)	48	(†)
National Aeronautics and Space Administration	1,712	703	65	65	(†)	(†)	(†)	91	265	13	193	17	365	(†)
National Science Foundation	394	78	245	245	(†)	(†)	(†)	(†)	13	(†)	13	(†)	45	(†)
Environmental Protection Agency	196	52	(†)	(†)	(†)	(†)	(†)	16	(†)	(†)	64	16	48	(†)
Atomic Energy Commission	745	189	53	53	(†)	(†)	(†)	131	89	(†)	17	(†)	266	(†)
Agency for International Development	84	35	13	13	(†)	(†)	(†)	(†)	36	(†)	(†)	(†)	(†)	(†)
Other agency	858	107	13	13	(†)	(†)	(†)	90	275	37	150	124	62	(†)
Agency unknown	393	170	55	27	12	16	(†)	71	(†)	(†)	66	(†)	31	(†)
Agency not reported	581	183	(†)	(†)	(†)	(†)	(†)	17	250	(†)	36	(†)	95	(†)
Environmental scientists	10,892	410	3,158	2,930	23	205	(†)	427	4,657	12	1,689	12	515	12
Department of Housing and Urban Development	124	(†)	12	12	(†)	(†)	(†)	86	(†)	(†)	26	(†)	(†)	(†)
Department of Interior	2,265	12	298	246	(†)	52	(†)	59	1,532	(†)	339	12	13	(†)
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	2,254	106	578	578	(†)	(†)	(†)	148	941	12	370	(†)	99	(†)
Department of Commerce	1,569	12	78	78	(†)	(†)	(†)	76	1,083	(†)	254	(†)	66	(†)
Department of Agriculture	833	14	58	58	(†)	(†)	(†)	(†)	600	(†)	161	(†)	(†)	(†)
Department of Transportation	508	149	11	11	(†)	(†)	(†)	(†)	76	(†)	272	(†)	(†)	(†)
Department of Justice	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)	(†)	(†)

Table B-15—Con.

Field and agency of support	Total	Business and industry	Educational institutions: Total	Educational institutions: 4-year college/ university	Educational institutions: 2-year college	Educational institutions: Other	Hospital/ clinic	Non-profit organization	Federal Government	Military	State and local government	Other government	Other	No report
Department of Health, Education, and Welfare	275	(†)	263	109	24	130	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
National Institutes of Health	28	(†)	28	28	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Office of Education	212	(†)	212	70	12	130	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	35	(†)	23	11	12	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	1,247	57	480	480	(†)	(†)	(†)	48	377	(†)	66	(†)	219	(†)
National Science Foundation	2,336	(†)	1,941	1,855	11	75	(†)	232	96	(†)	49	(†)	18	(†)
Environmental Protection Agency	416	27	92	92	(†)	(†)	(†)	88	52	(†)	135	(†)	22	(†)
Atomic Energy Commission	390	45	187	187	(†)	(†)	(†)	62	60	(†)	12	(†)	24	(†)
Agency for International Development	61	12	12	12	(†)	(†)	(†)	(†)	25	(†)	12	(†)	(†)	(†)
Other agency	577	48	206	206	(†)	(†)	(†)	(†)	71	(†)	80	(†)	160	12
Agency unknown	212	(†)	202	72	(†)	130	(†)	(†)	(†)	(†)	(†)	(†)	10	(†)
Agency not reported	203	24	80	80	(†)	(†)	(†)	(†)	50	(†)	49	(†)	(†)	(†)
Earth scientists	7,349	182	2,393	2,165	23	205	(†)	306	2,838	12	1,166	12	428	12
Department of Housing and Urban Development	124	(†)	12	12	(†)	(†)	(†)	86	(†)	(†)	26	(†)	(†)	(†)
Department of Interior	2,159	12	217	165	(†)	52	(†)	59	1,520	(†)	326	12	13	(†)
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	1,194	40	349	349	(†)	(†)	(†)	112	509	12	147	(†)	25	(†)
Department of Commerce	281	12	57	57	(†)	(†)	(†)	(†)	75	(†)	71	(†)	66	(†)
Department of Agriculture	712	14	35	35	(†)	(†)	(†)	(†)	515	(†)	148	(†)	(†)	(†)
Department of Transportation	301	32	11	11	(†)	(†)	(†)	(†)	(†)	(†)	258	(†)	(†)	(†)
Department of Justice	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	253	(†)	253	99	24	130	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
National Institutes of Health	28	(†)	28	28	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Office of Education	202	(†)	202	60	12	130	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	23	(†)	23	11	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	867	(†)	401	401	(†)	(†)	(†)	24	205	(†)	43	(†)	194	(†)
National Science Foundation	1,650	(†)	1,448	1,362	11	75	(†)	135	12	(†)	37	(†)	18	(†)
Environmental Protection Agency	184	15	58	58	(†)	(†)	(†)	12	13	(†)	77	(†)	9	(†)
Atomic Energy Commission	231	33	88	88	(†)	(†)	(†)	38	48	(†)	(†)	(†)	24	(†)
Agency for International Development	49	(†)	12	12	(†)	(†)	(†)	(†)	25	(†)	12	(†)	(†)	(†)
Other agency	457	48	120	120	(†)	(†)	(†)	(†)	37	(†)	80	(†)	160	12

Table B-15—Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Agency unknown	212	(†)	202	72	(†)	130	(†)	(†)	(†)	(†)	(†)	(†)	10	(†)
Agency not reported	162	24	63	63	(†)	(†)	(†)	(†)	50	(†)	25	(†)	(†)	(†)
Oceanographers	1,187	25	436	436	(†)	(†)	(†)	9	427	(†)	290	(†)	(†)	(†)
Department of Housing and Urban Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Interior	58	(†)	58	58	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	551	25	151	151	(†)	(†)	(†)	(†)	212	(†)	163	(†)	(†)	(†)
Department of Commerce	157	(†)	10	10	(†)	(†)	(†)	(†)	125	(†)	22	(†)	(†)	(†)
Department of Agriculture	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Transportation	64	(†)	(†)	(†)	(†)	(†)	(†)	(†)	64	(†)	(†)	(†)	(†)	(†)
Department of Justice	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	10	(†)	10	10	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
National Institutes of Health	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Office of Education	10	(†)	10	10	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	45	(†)	22	22	(†)	(†)	(†)	(†)	(†)	(†)	23	(†)	(†)	(†)
National Science Foundation	264	(†)	229	229	(†)	(†)	(†)	9	26	(†)	(†)	(†)	(†)	(†)
Environmental Protection Agency	94	(†)	23	23	(†)	(†)	(†)	(†)	13	(†)	58	(†)	(†)	(†)
Atomic Energy Commission	72	(†)	72	72	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agency	94	(†)	72	72	(†)	(†)	(†)	(†)	22	(†)	(†)	(†)	(†)	(†)
Agency unknown	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	41	(†)	17	17	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	(†)	(†)
Atmospheric scientists	2,356	203	329	329	(†)	(†)	(†)	112	1,392	(†)	233	(†)	87	(†)
Department of Housing and Urban Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Interior	48	(†)	23	23	(†)	(†)	(†)	(†)	12	(†)	13	(†)	(†)	(†)
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	509	41	78	78	(†)	(†)	(†)	36	220	(†)	60	(†)	74	(†)
Department of Commerce	1,131	(†)	11	11	(†)	(†)	(†)	76	883	(†)	161	(†)	(†)	(†)
Department of Agriculture	121	(†)	23	23	(†)	(†)	(†)	(†)	85	(†)	13	(†)	(†)	(†)
Deaprtment of Transportation	143	117	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	14	(†)	(†)	(†)
Department of Justice	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
National Institutes of Health	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-15—Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Department of HEW con.														
Office of Education	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	335	57	57	57	(†)	(†)	(†)	24	172	(†)	(†)	(†)	25	(†)
National Science Foundation	422	(†)	264	264	(†)	(†)	(†)	88	58	(†)	12	(†)	(†)	(†)
Environmental Protection Agency	138	12	11	11	(†)	(†)	(†)	76	26	(†)	(†)	(†)	13	(†)
Atomic Energy Commission	87	12	27	27	(†)	(†)	(†)	24	12	(†)	12	(†)	(†)	(†)
Agency for International Development	12	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agency	26	(†)	14	14	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Agency unknown	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	238,099	114,979	9,813	8,863	447	503	184	9,191	52,652	2,081	30,344	2,235	16,456	164
Department of Housing and Urban Development	10,455	6,678	52	(†)	(†)	52	(†)	202	578	(†)	2,603	202	85	55
Department of Interior	8,369	2,314	694	694	(†)	(†)	(†)	188	3,725	(†)	883	12	553	(†)
Department of Labor	1,325	622	19	19	(†)	(†)	(†)	12	94	(†)	523	(†)	55	(†)
Department of Defense	138,245	80,744	2,565	2,404	(†)	161	(†)	4,853	31,799	1,794	5,025	1,725	9,677	63
Department of Commerce	4,119	1,910	666	615	(†)	51	(†)	91	793	(†)	290	48	321	(†)
Department of Agriculture	5,672	1,755	763	708	(†)	55	(†)	105	2,564	(†)	391	82	12	(†)
Department of Transportation	31,380	9,952	697	685	(†)	12	(†)	1,168	2,966	39	15,585	162	756	55
Department of Justice	1,184	678	234	222	12	(†)	(†)	94	(†)	(†)	48	40	90	(†)
Department of Health, Education, and Welfare	4,842	1,337	1,497	992	357	148	55	349	636	(†)	560	48	360	(†)
National Institutes of Health	2,551	735	785	711	(†)	74	55	236	296	(†)	162	12	270	(†)
Office of Education	1,057	357	459	188	235	36	(†)	34	71	(†)	119	(†)	17	(†)
Other Health, Education, and Welfare	1,234	245	253	93	122	38	(†)	79	269	(†)	279	36	13	(†)
National Aeronautics and Space Administration	42,029	25,901	1,817	1,817	(†)	(†)	(†)	1,498	2,062	(†)	1,653	519	4,517	62
National Science Foundation	5,655	589	3,308	3,250	58	(†)	(†)	1,027	147	(†)	258	12	304	(†)
Environmental Protection Agency	11,332	6,619	546	546	(†)	(†)	(†)	306	804	(†)	2,355	118	584	(†)
Atomic Energy Commission	17,529	7,931	798	713	(†)	85	(†)	2,183	1,424	(†)	1,366	140	3,687	(†)
Agency for International Development	828	522	162	162	(†)	(†)	(†)	(†)	(†)	(†)	33	111	(†)	(†)
Other agency	8,675	3,709	264	252	12	(†)	49	286	2,495	132	1,308	75	357	(†)
Agency unknown	3,138	1,917	264	170	94	(†)	41	101	351	(†)	233	40	191	(†)
Agency not reported	3,843	1,689	96	61	11	24	39	125	1,080	116	548	14	136	(†)

Table B-15—Con.

			Educational institutions											
Field and agency of support	Total	Business and industry	Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Life scientists	35,140	617	14,770	14,196	346	228	969	1,227	12,453	132	4,278	131	563	(†)
Department of Housing and Urban Development	151	(†)	27	(†)	27	(†)	35	(†)	13	(†)	61	(†)	15	(†)
Department of Interior	3,398	12	511	499	12	(†)	(†)	67	1,606	(†)	1,163	(†)	39	(†)
Department of Labor	80	13	27	(†)	27	(†)	(†)	(†)	13	(†)	16	(†)	11	(†)
Department of Defense	1,635	66	338	309	(†)	29	73	50	702	115	197	15	79	(†)
Department of Commerce	843	(†)	197	197	(†)	(†)	(†)	(†)	352	(†)	279	(†)	15	(†)
Department of Agriculture	14,608	438	4,405	4,364	(†)	41	37	74	8,027	(†)	1,627	(†)	(†)	(†)
Department of Transportation	240	(†)	116	116	(†)	(†)	(†)	(†)	50	(†)	59	(†)	15	(†)
Department of Justice	195	(†)	100	24	76	(†)	(†)	47	26	(†)	22	(†)	(†)	(†)
Department of Health, Education, and Welfare	10,224	11	7,109	6,749	179	181	709	808	844	11	413	58	261	(†)
National Institutes of Health	8,807	11	6,307	6,193	11	103	709	772	440	(†)	293	29	246	(†)
Office of Education	437	(†)	399	176	156	67	(†)	12	11	(†)	(†)	(†)	15	(†)
Other Health, Education, and Welfare	980	(†)	401	380	12	11	(†)	24	393	11	120	29	(†)	(†)
National Aeronautics and Space Administration	573	26	317	317	(†)	(†)	(†)	61	89	(†)	(†)	(†)	80	(†)
National Science Foundation	2,799	(†)	2,467	2,467	(†)	(†)	70	49	50	(†)	126	(†)	37	(†)
Environmental Protection Agency	1,196	11	502	502	(†)	(†)	(†)	54	352	(†)	237	(†)	40	(†)
Atomic Energy Commission	1,058	68	515	515	(†)	(†)	(†)	169	156	(†)	64	(†)	86	(†)
Agency for International Development	301	(†)	186	186	(†)	(†)	(†)	(†)	99	(†)	(†)	16	(†)	(†)
Other agency	1,247	(†)	346	279	(†)	67	51	12	314	17	421	12	74	(†)
Agency unknown	673	(†)	480	367	113	(†)	(†)	(†)	(†)	(†)	117	35	41	(†)
Agency not reported	760	11	303	276	27	(†)	59	(†)	296	(†)	67	24	(†)	(†)
Biological scientists	15,031	146	7,695	7,313	260	122	375	802	3,490	110	1,854	103	456	(†)
Department of Housing and Urban Development	61	(†)	(†)	(†)	(†)	(†)	35	(†)	(†)	(†)	11	(†)	15	(†)
Department of Interior	1,684	(†)	443	431	12	(†)	(†)	67	456	(†)	691	(†)	27	(†)
Department of Labor	24	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)
Department of Defense	1,011	43	157	157	(†)	(†)	(†)	25	548	93	51	15	79	(†)
Department of Commerce	794	(†)	186	186	(†)	(†)	(†)	(†)	339	(†)	254	(†)	15	(†)
Department of Agriculture	2,375	11	1,156	1,143	(†)	13	37	12	956	(†)	203	(†)	(†)	(†)
Department of Transportation	168	(†)	68	68	(†)	(†)	(†)	(†)	37	(†)	48	(†)	15	(†)
Department of Justice	123	(†)	88	12	76	(†)	(†)	(†)	13	(†)	22	(†)	(†)	(†)
Department of Health, Education, and Welfare	5,913	11	3,951	3,708	147	96	225	560	663	11	254	58	180	(†)
National Institutes of Health	4,955	11	3,410	3,345	11	54	225	536	363	(†)	216	29	165	(†)
Office of Education	332	(†)	317	151	124	42	(†)	(†)	(†)	(†)	(†)	(†)	15	(†)
Other Health, Education, and Welfare	626	(†)	224	212	12	(†)	(†)	24	300	11	38	29	(†)	(†)

Table B-15—Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
National Aeronautics and Space Administration	394	15	199	199	(†)	(†)	(†)	36	64	(†)	(†)	(†)	80	(†)
National Science Foundation	2,386	(†)	2,202	2,202	(†)	(†)	18	49	28	(†)	52	(†)	37	(†)
Environmental Protection Agency	709	(†)	282	282	(†)	(†)	(†)	12	247	(†)	128	(†)	40	(†)
Atomic Energy Commission	902	68	465	465	(†)	(†)	(†)	101	118	(†)	64	(†)	86	(†)
Agency for International Development	49	(†)	37	37	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Other agency	782	(†)	205	149	(†)	56	26	12	177	17	271	(†)	74	(†)
Agency unknown	373	(†)	242	129	113	(†)	(†)	(†)	(†)	(†)	69	35	27	(†)
Agency not reported	288	(†)	112	112	(†)	(†)	34	(†)	51	(†)	67	24	(†)	(†)
Agricultural scientists	14,935	460	3,653	3,625	(†)	28	(†)	62	8,489	22	2,182	28	39	(†)
Department of Housing and Urban Development	38	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	25	(†)	(†)	(†)
Department of Interior	1,701	12	68	68	(†)	(†)	(†)	(†)	1,150	(†)	459	(†)	12	(†)
Department of Labor	29	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	16	(†)	(†)	(†)
Department of Defense	310	23	38	38	(†)	(†)	(†)	(†)	105	22	122	(†)	(†)	(†)
Department of Commerce	36	(†)	11	11	(†)	(†)	(†)	(†)	13	(†)	12	(†)	(†)	(†)
Department of Agriculture	12,112	427	3,151	3,123	(†)	28	(†)	62	7,048	(†)	1,424	(†)	(†)	(†)
Department of Transportation	47	(†)	23	23	(†)	(†)	(†)	(†)	13	(†)	11	(†)	(†)	(†)
Department of Justice	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	317	(†)	255	255	(†)	(†)	(†)	(†)	37	(†)	12	(†)	13	(†)
National Institutes of Health	269	(†)	243	243	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	13	(†)
Office of Education	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	37	(†)	12	12	(†)	(†)	(†)	(†)	13	(†)	12	(†)	(†)	(†)
National Aeronautics and Space Administration	84	11	48	48	(†)	(†)	(†)	(†)	25	(†)	(†)	(†)	(†)	(†)
National Science Foundation	323	(†)	227	227	(†)	(†)	(†)	(†)	22	(†)	74	(†)	(†)	(†)
Environmental Protection Agency	421	11	220	220	(†)	(†)	(†)	14	78	(†)	98	(†)	(†)	(†)
Atomic Energy Commission	24	(†)	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	(†)	(†)	(†)	(†)
Agency for International Development	252	(†)	149	149	(†)	(†)	(†)	(†)	87	(†)	(†)	16	(†)	(†)
Other agency	219	(†)	36	36	(†)	(†)	(†)	(†)	60	(†)	111	12	(†)	(†)
Agency unknown	89	(†)	51	51	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	14	(†)
Agency not reported	128	(†)	23	23	(†)	(†)	(†)	(†)	105	(†)	(†)	(†)	(†)	(†)
Medical scientists	5,174	11	3,422	3,258	86	78	594	363	474	(†)	242	(†)	68	(†)
Department of Housing and Urban Development	52	(†)	27	(†)	27	(†)	(†)	(†)	(†)	(†)	25	(†)	(†)	(†)
Department of Interior	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)

Table B-15—Con.

			Educational institutions											
Field and agency of support	Total	Business and industry	Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
Department of Labor	27	(†)	27	(†)	27	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	314	(†)	143	114	(†)	29	73	25	49	(†)	24	(†)	(†)	(†)
Department of Commerce	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)
Department of Agriculture	121	(†)	98	98	(†)	(†)	(†)	(†)	23	(†)	(†)	(†)	(†)	(†)
Department of Transportation	25	(†)	25	25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Justice	59	(†)	12	12	(†)	(†)	(†)	47	(†)	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	3,994	(†)	2,903	2,786	32	85	484	248	144	(†)	147	(†)	68	(†)
National Institutes of Health	3,583	(†)	2,654	2,605	(†)	49	484	236	64	(†)	77	(†)	68	(†)
Office of Education	94	(†)	82	25	32	25	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	317	(†)	167	156	(†)	11	(†)	(†)	80	(†)	70	(†)	(†)	(†)
National Aeronautics and Space Administration	95	(†)	70	70	(†)	(†)	(†)	25	(†)	(†)	(†)	(†)	(†)	(†)
National Science Foundation	90	(†)	38	38	(†)	(†)	52	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental Protection Agency	66	(†)	(†)	(†)	(†)	(†)	(†)	28	27	(†)	11	(†)	(†)	(†)
Atomic Energy Commission	132	(†)	50	50	(†)	(†)	(†)	68	14	(†)	(†)	(†)	(†)	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agency	246	(†)	105	94	(†)	11	25	(†)	77	(†)	39	(†)	(†)	(†)
Agency unknown	211	(†)	187	187	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	(†)	(†)
Agency not reported	344	11	168	141	27	(†)	25	(†)	140	(†)	(†)	(†)	(†)	(†)
Psychologists	11,471	435	4,860	3,165	85	1,610	1,952	1,539	909	28	1,006	77	652	13
Department of Housing and Urban Development	80	(†)	12	12	(†)	(†)	(†)	42	13	(†)	(†)	(†)	13	(†)
Department of Interior	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)	(†)
Department of Labor	271	(†)	102	102	(†)	(†)	(†)	12	13	(†)	130	(†)	14	(†)
Department of Defense	1,336	300	187	146	(†)	41	(†)	221	424	16	13	(†)	175	(†)
Department of Commerce	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Agriculture	107	107	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Transportation	348	13	110	110	(†)	(†)	(†)	138	26	(†)	(†)	(†)	61	(†)
Department of Justice	618	(†)	241	117	14	110	79	39	13	(†)	105	(†)	141	(†)
Department of Health, Education, and Welfare	5,744	14	3,510	2,082	108	1,320	635	800	261	(†)	309	128	87	(†)
National Institutes of Health	2,540	(†)	1,368	1,250	37	81	414	454	151	(†)	90	(†)	50	13
Office of Education	1,835	14	1,407	293	71	1,043	39	178	27	(†)	81	64	25	(†)
Other Health, Education, and Welfare	1,382	(†)	735	539	(†)	196	182	168	83	(†)	138	64	12	(†)
National Aeronautics and Space Administration	208	156	13	13	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	26	(†)
National Science Foundation	646	(†)	552	552	(†)	(†)	(†)	75	(†)	(†)	(†)	(†)	19	(†)

Table B-15—Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Environmental Protection Agency	13	(†)	13	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atomic Energy Commission	221	116	(†)	(†)	(†)	(†)	(†)	105	(†)	(†)	(†)	(†)	(†)	(†)
Agency for International Development	25	(†)	25	25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agency	1,108	13	196	103	(†)	93	428	193	89	(†)	90	(†)	99	(†)
Agency unknown	452	(†)	155	66	(†)	89	61	51	16	(†)	95	(†)	74	(†)
Agency not reported	2,214	(†)	494	388	(†)	106	867	350	67	12	303	13	108	(†)
Social scientists	16,574	816	5,126	4,902	45	179	171	1,886	4,159	16	3,797	54	525	24
Department of Housing and Urban Development	1,130	48	206	206	(†)	(†)	(†)	78	128	(†)	550	(†)	120	(†)
Department of Interior	604	29	205	205	(†)	(†)	(†)	(†)	263	(†)	73	(†)	34	(†)
Department of Labor	1,818	(†)	293	279	14	(†)	(†)	82	483	(†)	906	(†)	54	(†)
Department of Defense	1,984	399	118	118	(†)	(†)	(†)	347	653	16	202	17	232	(†)
Department of Commerce	658	84	47	47	(†)	(†)	(†)	30	335	(†)	94	(†)	68	(†)
Department of Agriculture	2,269	51	1,113	1,113	(†)	(†)	(†)	21	924	(†)	160	(†)	(†)	(†)
Department of Transportation	506	186	53	53	(†)	(†)	(†)	10	114	(†)	103	(†)	40	(†)
Department of Justice	791	(†)	316	316	(†)	(†)	(†)	10	164	(†)	280	(†)	21	(†)
Department of Health, Education, and Welfare	4,165	34	2,045	1,804	19	222	51	834	407	(†)	777	(†)	17	(†)
National Institutes of Health	1,116	(†)	691	691	(†)	(†)	13	243	84	(†)	85	(†)	(†)	(†)
Office of Education	673	(†)	542	370	19	153	12	58	49	(†)	(†)	(†)	(†)	12
Other Health, Education, and Welfare	2,388	34	812	743	(†)	69	26	533	274	(†)	692	(†)	17	(†)
National Aeronautics and Space Administration	413	70	113	113	(†)	(†)	(†)	119	49	(†)	14	(†)	48	(†)
National Science Foundation	996	13	800	800	(†)	(†)	(†)	48	82	(†)	15	(†)	26	12
Environmental Protection Agency	422	29	18	18	(†)	(†)	(†)	30	233	(†)	30	(†)	82	(†)
Atomic Energy Commission	161	36	31	31	(†)	(†)	(†)	(†)	66	(†)	(†)	(†)	28	(†)
Agency for International Development	335	13	160	146	(†)	14	(†)	(†)	98	(†)	31	(†)	33	(†)
Other agency	1,844	(†)	461	404	(†)	57	63	160	887	(†)	204	21	48	(†)
Agency unknown	386	(†)	129	117	12	(†)	16	75	(†)	(†)	166	(†)	(†)	(†)
Agency not reported	1,594	67	400	400	(†)	(†)	54	314	225	(†)	456	16	62	(†)
Economists	6,935	486	1 643	1,624	19	(†)	(†)	388	3,095	(†)	997	37	277	12
Department of Housing and Urban Development	566	21	154	154	(†)	(†)	(†)	65	49	(†)	201	(†)	76	(†)
Department of Interior	338	16	81	81	(†)	(†)	(†)	(†)	149	(†)	58	(†)	34	(†)
Department of Labor	813	(†)	98	98	(†)	(†)	(†)	82	406	(†)	197	(†)	30	(†)
Department of Defense	860	180	62	62	(†)	(†)	(†)	151	338	(†)	48	(†)	81	(†)
Department of Commerce	508	84	47	47	(†)	(†)	(†)	17	245	(†)	47	(†)	68	(†)

Table B-15–Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Department of Agriculture	1,825	51	838	838	(†)	(†)	(†)	21	755	(†)	160	(†)	(†)	(†)
Department of Transportation	332	186	17	17	(†)	(†)	(†)	(†)	52	(†)	49	(†)	28	(†)
Department of Justice	112	(†)	43	43	(†)	(†)	(†)	(†)	48	(†)	(†)	(†)	21	(†)
Department of Health, Education, and Welfare	411	17	240	221	19	(†)	(†)	(†)	106	(†)	31	(†)	17	(†)
National Institutes of Health	57	(†)	57	57	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Office of Education	78	(†)	66	47	19	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12
Other Health, Education, and Welfare	288	17	117	117	(†)	(†)	(†)	(†)	106	(†)	31	(†)	17	(†)
National Aeronautics and Space Administration	170	70	52	52	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	48	(†)
National Science Foundation	313	13	232	232	(†)	(†)	(†)	35	33	(†)	(†)	(†)	(†)	(†)
Environmental Protection Agency	330	29	18	18	(†)	(†)	(†)	17	184	(†)	(†)	(†)	82	(†)
Atomic Energy Commission	85	36	15	15	(†)	(†)	(†)	(†)	17	(†)	(†)	(†)	17	(†)
Agency for International Development	189	13	75	75	(†)	(†)	(†)	(†)	37	(†)	31	(†)	33	(†)
Other agency	956	(†)	57	57	(†)	(†)	(†)	(†)	681	(†)	149	21	48	(†)
Agency unknown	48	(†)	15	15	(†)	(†)	(†)	(†)	(†)	(†)	33	(†)	(†)	(†)
Agency not reported	341	(†)	72	72	(†)	(†)	(†)	17	147	(†)	57	16	32	(†)
Sociologists/anthropologists	3,199	81	1,963	1,949	14	(†)	30	463	188	(†)	424	(†)	38	12
Department of Housing and Urban Development	52	14	23	23	(†)	(†)	(†)	(†)	(†)	(†)	15	(†)	(†)	(†)
Department of Interior	140	(†)	109	109	(†)	(†)	(†)	(†)	16	(†)	15	(†)	(†)	(†)
Department of Labor	118	(†)	52	38	14	(†)	(†)	(†)	16	(†)	40	(†)	10	(†)
Department of Defense	23	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	10	(†)
Department of Commerce	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	15	(†)	(†)	(†)
Department of Agriculture	239	(†)	201	201	(†)	(†)	(†)	(†)	38	(†)	(†)	(†)	(†)	(†)
Department of Transportation	49	(†)	24	24	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	12	(†)
Department of Justice	272	(†)	154	154	(†)	(†)	(†)	10	(†)	(†)	108	(†)	(†)	(†)
Department of Health, Education, and Welfare	1,290	(†)	725	725	(†)	(†)	(†)	257	42	(†)	266	(†)	(†)	(†)
National Institutes of Health	543	(†)	353	353	(†)	(†)	(†)	107	10	(†)	73	(†)	(†)	(†)
Office of Education	170	(†)	112	112	(†)	(†)	(†)	58	(†)	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	577	(†)	260	260	(†)	(†)	(†)	92	32	(†)	193	(†)	(†)	(†)
National Aeronautics and Space Administration	31	(†)	31	31	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
National Science Foundation	544	(†)	505	505	(†)	(†)	(†)	(†)	(†)	(†)	15	(†)	12	12
Environmental Protection Agency	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atomic Energy Commission	16	(†)	16	16	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-15—Con.

Field and agency of support	Total	Business and industry	Educational institutions				Hospital/ clinic	Non-profit organ-ization	Federal Government	Military	State and local government	Other government	Other	No report
			Total	4-year college/ university	2-year college	Other								
Agency for International Development	42	(†)	42	42	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agency	206	(†)	150	150	(†)	(†)	(†)	25	16	(†)	15	(†)	(†)	(†)
Agency unknown	56	(†)	28	28	(†)	(†)	16	12	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	567	67	147	147	(†)	(†)	14	236	63	(†)	24	(†)	16	(†)
Other social scientists	6,440	249	1,520	1,329	12	179	141	1,035	876	16	2,376	17	210	(†)
Department of Housing and Urban Development	512	13	29	29	(†)	(†)	(†)	13	79	(†)	334	(†)	44	(†)
Department of Interior	126	13	15	15	(†)	(†)	(†)	(†)	98	(†)	(†)	(†)	(†)	(†)
Department of Labor	887	(†)	143	143	(†)	(†)	(†)	(†)	61	(†)	669	(†)	14	(†)
Department of Defense	1,101	219	56	56	(†)	(†)	(†)	196	315	16	141	17	141	(†)
Department of Commerce	135	(†)	(†)	(†)	(†)	(†)	(†)	13	90	(†)	32	(†)	(†)	(†)
Department of Agriculture	205	(†)	74	74	(†)	(†)	(†)	(†)	131	(†)	(†)	(†)	(†)	(†)
Department of Transportation	125	(†)	12	12	(†)	(†)	(†)	10	49	(†)	54	(†)	(†)	(†)
Department of Justice	407	(†)	119	119	(†)	(†)	(†)	(†)	116	(†)	172	(†)	(†)	(†)
Department of Health, Education, and Welfare	2,464	17	1,080	858	(†)	222	51	577	259	(†)	480	(†)	(†)	(†)
National Institutes of Health	516	(†)	281	281	(†)	(†)	13	136	74	(†)	12	(†)	(†)	(†)
Office of Education	425	(†)	364	211	(†)	153	12	(†)	49	(†)	(†)	(†)	(†)	(†)
Other Health, Education, and Welfare	1,523	17	435	366	(†)	69	26	441	136	(†)	468	(†)	(†)	(†)
National Aeronautics and Space Administration	212	(†)	30	30	(†)	(†)	(†)	119	49	(†)	14	(†)	(†)	(†)
National Science Foundation	139	(†)	63	63	(†)	(†)	(†)	13	49	(†)	(†)	(†)	14	(†)
Environmental Protection Agency	92	(†)	(†)	(†)	(†)	(†)	(†)	13	49	(†)	30	(†)	(†)	(†)
Atomic Energy Commission	60	(†)	(†)	(†)	(†)	(†)	(†)	(†)	49	(†)	(†)	(†)	11	(†)
Agency for International Development	104	(†)	43	29	(†)	14	(†)	(†)	61	(†)	(†)	(†)	(†)	(†)
Other agency	682	(†)	254	197	(†)	57	63	135	190	(†)	40	(†)	(†)	(†)
Agency unknown	282	(†)	86	74	12	(†)	(†)	63	(†)	(†)	133	(†)	(†)	(†)
Agency not reported	686	(†)	181	181	(†)	(†)	40	61	15	(†)	375	(†)	14	(†)

(†) No cases reported

Source: National Science Foundation, National Sample, 1974.

Table B-16.—Number of scientists and engineers receiving Federal support by field, agency of support, and primary work activity: 1974

Field and agency of support	Total	Research and development				Management and administration			Teaching	Production/inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
		Total	Basic research	Applied research	Development/design	Total	Of R&D	Other than R&D						
Total, all fields	375,633	130,510	27,862	29,851	72,797	106,571	50,918	55,653	22,978	33,552	23,427	36,989	16,636	4,970
Department of Housing and Urban Development	12,532	2,262	94	248	1,920	4,366	784	3,582	239	1,222	2,198	1,462	591	192
Department of Interior	16,246	5,150	1,101	1,936	2,113	5,268	2,084	3,184	836	1,307	1,227	1,614	638	206
Department of Labor	4,215	566	112	88	366	1,010	334	676	294	190	397	1,011	497	250
Department of Defense	170,733	64,361	4,471	12,984	46,906	52,691	29,546	23,145	2,564	16,779	7,490	18,011	6,843	1,994
Department of Commerce	9,042	2,647	708	881	1,058	2,468	1,189	1,279	443	712	583	1,611	518	60
Department of Agriculture	26,152	8,745	2,403	4,606	1,736	7,632	2,252	5,380	2,565	1,581	2,184	1,773	1,517	155
Department of Transportation	34,886	7,250	237	1,099	5,914	14,046	4,054	9,992	644	5,259	2,636	2,875	1,637	539
Department of Justice	3,806	405	73	261	71	1,445	529	916	442	222	682	286	299	25
Department of Health, Education, and Welfare	35,553	12,752	9,730	2,048	974	7,692	4,327	3,365	7,460	799	2,924	2,673	895	358
National Institutes of Health	22,644	11,028	9,139	1,350	539	4,496	2,662	1,834	4,341	225	1,022	1,180	89	263
Office of Education	5,128	461	75	124	262	1,080	639	441	1,779	153	945	477	193	40
Other	7,781	1,263	516	574	173	2,116	1,026	1,090	1,340	421	957	1,016	613	55
National Aeronautics and Space Administration	51,320	20,608	2,319	3,756	14,533	15,035	10,513	4,522	1,072	5,220	1,996	4,583	1,999	807
National Science Foundation	21,005	8,576	6,119	1,336	1,121	3,344	2,122	1,222	7,129	255	435	906	89	271
Environmental Protection Agency	15,910	3,609	521	1,342	1,746	5,040	2,230	2,810	686	1,442	2,374	1,570	862	327
Atomic Energy Commission	28,048	13,164	3,546	2,712	6,906	7,050	4,229	2,821	907	2,415	1,280	1,792	1,043	397
Agency for International Development	1,830	411	60	264	87	652	199	453	243	84	268	111	61	(†)
Other agencies	16,010	4,960	1,142	1,620	2,198	4,379	1,571	2,808	858	1,077	1,640	1,799	1,058	239
Agency unknown	5,693	1,561	212	162	1,187	991	344	647	976	932	544	541	121	27
Agency not reported	10,575	2,174	546	731	897	2,905	1,252	1,653	1,020	806	1,720	1,058	611	281
Physical scientists	40,245	21,949	12,446	6,989	2,514	7,373	5,308	2,065	4,091	2,644	1,091	1,509	937	651
Department of Housing and Urban Development	70	14	(†)	(†)	14	13	13	(†)	(†)	(†)	(†)	30	13	(†)
Department of Interior	1,340	630	74	452	104	413	212	201	20	125	12	100	40	(†)
Department of Labor	49	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	49	(†)
Department of Defense	13,569	6,996	2,047	3,606	1,343	3,806	3,055	751	398	1,061	493	616	134	65
Department of Commerce	1,170	479	295	160	24	229	180	49	65	85	40	210	42	20
Department of Agriculture	2,014	1,297	577	559	161	382	274	108	81	47	24	73	72	38
Department of Transportation	871	184	27	157	(†)	214	165	49	25	307	85	(†)	31	25
Department of Justice	510	52	35	(†)	17	81	37	44	11	124	80	(†)	150	12
Department of Health, Education, and Welfare	8,128	4,653	3,923	592	138	1,420	936	484	1,244	286	211	14	190	110
National Institutes of Health	6,535	4,238	3,751	399	88	1,028	719	309	996	99	76	(†)	13	85
Office of Education	450	25	(†)	25	(†)	208	141	67	168	(†)	49	(†)	(†)	(†)
Other	1,143	390	172	168	50	184	76	108	80	187	86	14	177	25

Table B-16—Con.

Field and agency of support	Total	Research and development				Management and administration								
		Total	Basic research	Applied research	Development design	Total	Of R&D	Other than R&D	Teaching	Production/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
National Aeronautics and Space Administration	4,696	2,419	1,463	629	327	1,318	1,076	242	318	192	208	168	25	48
National Science Foundation	6,537	3,592	3,132	347	113	552	397	155	2,070	(†)	100	162	13	48
Environmental Protection Agency	2,105	642	150	466	26	693	499	194	62	346	98	54	146	64
Atomic Energy Commission	7,561	4,633	2,560	1,411	662	1,339	815	524	377	417	191	265	145	194
Agency for International Development	153	37	12	25	(†)	44	12	32	23	(†)	49	(†)	(†)	(†)
Other agencies	1,468	818	503	216	99	263	194	69	83	72	88	80	51	13
Agency unknown	304	155	55	77	23	(†)	(†)	(†)	11	76	24	38	(†)	(†)
Agency not reported	834	420	234	161	25	67	42	25	185	25	(†)	(†)	75	62
Chemists	20,953	11,410	7,094	2,977	1,339	3,439	2,124	1,315	2,136	2,052	368	443	709	396
Department of Housing and Urban Development	30	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	30	(†)	(†)
Department of Interior	863	438	74	300	64	286	115	171	(†)	62	(†)	50	27	(†)
Department of Labor	25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	25	(†)
Department of Defense	4,562	2,134	713	887	534	1,207	899	308	47	911	37	161	65	(†)
Department of Commerce	409	175	104	71	(†)	107	107	(†)	(†)	58	12	37	(†)	20
Department of Agriculture	1,776	1,211	529	547	135	345	262	83	81	47	(†)	30	24	38
Department of Transportation	546	148	27	121	(†)	137	88	49	25	187	24	(†)	(†)	25
Department of Justice	334	52	35	(†)	17	56	12	44	(†)	89	(†)	(†)	137	(†)
Department of Health, Education, and Welfare	7,163	4,502	3,861	540	101	890	522	368	1,145	273	52	14	177	110
National Institutes of Health	5,898	4,087	3,689	347	51	617	424	193	996	86	27	(†)	(†)	85
Office of Education	232	25	(†)	25	(†)	103	36	67	104	(†)	(†)	(†)	(†)	(†)
Other	1,033	390	172	168	50	170	62	108	45	187	25	14	177	25
National Aeronautics and Space Administration	1,449	702	335	150	217	309	186	123	61	160	125	92	(†)	(†)
National Science Foundation	3,001	1,655	1,372	269	14	205	76	129	1,047	(†)	39	55	(†)	(†)
Environmental Protection Agency	1,545	541	150	391	(†)	440	259	181	50	214	49	54	133	64
Atomic Energy Commission	2,872	1,444	707	394	343	760	311	449	108	273	58	67	73	89
Agency for International Development	95	37	12	25	(†)	35	12	23	23	(†)	(†)	(†)	(†)	(†)
Other agencies	930	467	266	129	72	226	157	69	60	49	49	54	25	(†)
Agency unknown	171	47	24	(†)	23	(†)	(†)	(†)	(†)	76	24	24	(†)	(†)
Agency not reported	503	279	121	133	25	25	(†)	25	49	25	(†)	(†)	75	50
Physicists/astronomers	15,825	8,873	4,709	3,203	961	3,233	2,635	598	1,859	414	466	643	92	245
Department of Housing and Urban Development	13	(†)	(†)	(†)	(†)	13	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Interior	175	87	(†)	61	26	52	52	(†)	12	12	12	(†)	(†)	(†)

Table B-16–Con.

		Research and development				Management and administration								
Field and agency of support	Total	Total	Basic research	Applied research	Development/ design	Total	Of R&D	Other than R&D	Teaching	Production/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
Department of Labor	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)
Department of Defense	7,460	3,947	1,109	2,157	681	2,280	1,896	384	312	114	383	329	30	65
Department of Commerce	454	243	166	65	12	96	73	23	65	(†)	11	23	16	(†)
Department of Agriculture	24	24	24	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Transportation	239	24	(†)	24	(†)	77	77	(†)	(†)	108	12	(†)	18	(†)
Department of Justice	48	(†)	(†)	(†)	(†)	25	25	(†)	11	(†)	(†)	(†)	(†)	12
Department of Health, Education, and Welfare	732	127	62	52	13	530	414	116	62	13	(†)	(†)	(†)	(†)
National Institutes of Health	551	127	62	52	13	411	295	116	(†)	13	(†)	(†)	(†)	(†)
Office of Education	156	(†)	(†)	(†)	(†)	105	105	(†)	51	(†)	(†)	(†)	(†)	(†)
Other	25	(†)	(†)	(†)	(†)	14	14	(†)	11	(†)	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	2,705	1,499	1,080	309	110	776	657	119	257	15	22	76	12	48
National Science Foundation	3,246	1,757	1,618	40	99	299	273	26	1,023	(†)	12	107	(†)	48
Environmental Protection Agency	421	62	(†)	50	12	215	202	13	12	132	(†)	(†)	(†)	(†)
Atomic Energy Commission	4,171	2,904	1,720	927	257	544	481	63	257	144	72	132	23	95
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agencies	333	199	111	75	13	37	37	(†)	23	23	12	26	(†)	13
Agency unknown	133	108	31	77	(†)	(†)	(†)	(†)	11	(†)	(†)	14	(†)	(†)
Agency not reported	267	77	65	12	(†)	42	42	(†)	136	(†)	(†)	(†)	(†)	12
Other physical scientists	3,467	1,666	643	809	214	701	549	152	96	178	257	423	136	10
Department of Housing and Urban Development	27	14	(†)	(†)	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)
Department of Interior	302	105	(†)	91	14	75	45	30	8	51	(†)	50	13	(†)
Department of Labor	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)
Department of Defense	1,547	915	225	562	128	319	260	59	39	36	73	126	39	(†)
Department of Commerce	307	61	25	24	12	26	(†)	26	(†)	27	17	150	26	(†)
Department of Agriculture	214	62	24	12	26	37	12	25	(†)	(†)	24	43	48	(†)
Department of Transportation	86	12	(†)	12	(†)	(†)	(†)	(†)	(†)	12	49	(†)	13	(†)
Department of Justice	128	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	35	80	(†)	13	(†)
Department of Health, Education, and Welfare	233	24	(†)	(†)	24	(†)	(†)	(†)	37	(†)	159	(†)	13	(†)
National Institutes of Health	86	24	(†)	(†)	24	(†)	(†)	(†)	(†)	(†)	49	(†)	13	(†)
Office of Education	62	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	49	(†)	(†)	(†)
Other	85	(†)	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	61	(†)	(†)	(†)
National Aeronautics and Space Administration	542	218	48	170	(†)	233	233	(†)	(†)	17	61	(†)	13	(†)
National Science Foundation	290	180	142	38	(†)	48	48	(†)	(†)	(†)	49	(†)	13	(†)
Environmental Protection Agency	139	39	(†)	25	14	38	38	(†)	(†)	(†)	49	(†)	13	(†)

Table B-16—Con.

Field and agency of support	Total	Research and development				Management and administration			Teaching	Pro-duction/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
		Total	Basic research	Applied research	Develop-ment/ design	Total	Of R&D	Other than R&D						
Atomic Energy Commission	518	285	133	90	62	35	23	12	12	(†)	61	66	49	10
Agency for International Development	58	(†)	(†)	(†)	(†)	9	(†)	9	(†)	(†)	49	(†)	(†)	(†)
Other agencies	205	152	126	12	14	(†)	(†)	(†)	(†)	(†)	27	(†)	26	(†)
Agency unknown	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	64	64	48	16	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	9,865	2,146	783	1,004	359	1,871	1,107	764	1,360	344	377	3,587	88	92
Department of Housing and Urban Development	128	26	13	13	(†)	13	13	(†)	(†)	(†)	(†)	89	(†)	(†)
Department of Interior	106	35	(†)	35	(†)	(†)	(†)	(†)	(†)	(†)	31	40	(†)	(†)
Department of Labor	445	(†)	(†)	(†)	(†)	39	12	27	(†)	(†)	30	364	12	(†)
Department of Defense	4,110	1,206	227	670	309	916	658	258	94	178	184	1,414	51	67
Department of Commerce	506	75	24	51	(†)	91	45	46	(†)	44	(†)	296	(†)	(†)
Department of Agriculture	536	26	(†)	13	13	137	12	125	50	(†)	26	297	(†)	(†)
Department of Transportation	457	51	(†)	51	(†)	154	76	78	(†)	36	62	141	13	(†)
Department of Justice	89	19	(†)	19	(†)	13	13	(†)	19	(†)	(†)	38	(†)	(†)
Department of Health, Education, and Welfare	1,129	134	13	96	25	169	137	32	242	13	52	519	(†)	(†)
National Institutes of Health	542	76	13	51	12	71	52	19	83	(†)	39	273	(†)	(†)
Office of Education	238	27	(†)	14	13	39	39	(†)	120	(†)	(†)	52	(†)	(†)
Other	349	31	(†)	31	(†)	59	46	13	39	13	13	194	(†)	(†)
National Aeronautics and Space Administration	442	52	(†)	25	27	100	70	30	(†)	14	37	239	(†)	(†)
National Science Foundation	1,642	519	482	25	12	63	38	25	899	(†)	13	136	12	(†)
Environmental Protection Agency	230	48	(†)	48	(†)	42	28	14	(†)	(†)	13	127	(†)	(†)
Atomic Energy Commision	383	82	28	54	(†)	205	81	124	(†)	(†)	25	71	(†)	(†)
Agency for International Development	43	(†)	(†)	(†)	(†)	12	12	(†)	(†)	(†)	(†)	31	(†)	(†)
Other agencies	233	41	12	29	(†)	45	15	30	13	13	14	94	(†)	13
Agency unknown	135	53	53	(†)	(†)	(†)	(†)	(†)	68	(†)	(†)	14	(†)	(†)
Agency not reported	546	78	(†)	78	(†)	131	75	56	25	109	(†)	191	(†)	12
Mathematicians	6,563	1,882	739	821	322	1,377	838	539	1,140	287	285	1,436	76	80
Department of Housing and Urban Development	13	13	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Interior	92	35	(†)	35	(†)	(†)	(†)	(†)	(†)	(†)	31	26	(†)	(†)
Department of Labor	69	(†)	(†)	(†)	(†)	14	(†)	14	(†)	(†)	17	38	(†)	(†)
Department of Defense	3,487	1,182	227	658	297	807	575	232	64	165	184	979	51	55
Department of Commerce	95	63	12	51	(†)	32	32	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Agriculture	13	(†)	(†)	(†)	(†)	13	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)
Department of Transportation	367	38	(†)	38	(†)	141	76	65	(†)	36	62	77	13	(†)

Table B-16—Con.

Field and agency of support	Total	Research and development				Management and administration			Teaching	Pro-duction/inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
		Total	Basic research	Applied research	Develop-ment/design	Total	Of R&D	Other than R&D						
Department of Justice	51	19	(†)	19	(†)	(†)	(†)	(†)	19	(†)	(†)	13	(†)	(†)
Department of Health, Education, and Welfare	367	50	13	24	13	81	62	19	171	13	13	39	(†)	(†)
National Institutes of Health	150	37	13	24	(†)	48	29	19	25	(†)	13	27	(†)	(†)
Office of Education	120	13	(†)	(†)	13	(†)	(†)	(†)	107	(†)	(†)	(†)	(†)	(†)
Other	97	(†)	(†)	(†)	(†)	33	33	(†)	39	13	(†)	12	(†)	(†)
National Aeronautics and Space Administration	416	52	(†)	25	27	100	70	30	(†)	14	37	213	(†)	(†)
National Science Foundation	1,423	519	482	25	12	50	25	25	817	(†)	13	12	12	(†)
Environmental Protection Agency	120	13	(†)	13	(†)	29	15	14	(†)	(†)	13	65	(†)	(†)
Atomic Energy Commission	359	70	28	42	(†)	193	69	124	(†)	(†)	25	71	(†)	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agencies	130	28	12	16	(†)	15	15	(†)	13	13	(†)	48	(†)	13
Agency unknown	102	34	34	(†)	(†)	(†)	(†)	(†)	68	(†)	(†)	(†)	(†)	(†)
Agency not reported	256	65	(†)	65	(†)	45	(†)	45	25	109	(†)	(†)	(†)	12
Statisticians	3,302	264	44	183	37	494	269	225	220	57	92	2,151	12	12
Department of Housing and Urban Development	115	13	13	(†)	(†)	13	13	(†)	(†)	(†)	(†)	89	(†)	(†)
Department of Interior	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)	(†)
Department of Labor	376	(†)	(†)	(†)	(†)	25	12	13	(†)	(†)	13	326	12	(†)
Department of Defense	623	24	(†)	12	12	109	83	26	30	13	(†)	435	(†)	12
Department of Commerce	411	12	12	(†)	(†)	59	13	46	(†)	44	(†)	296	(†)	(†)
Department of Agriculture	523	26	(†)	13	13	124	12	112	50	(†)	26	297	(†)	(†)
Department of Transportation	90	13	(†)	13	(†)	13	(†)	13	(†)	(†)	(†)	64	(†)	(†)
Department of Justice	38	(†)	(†)	(†)	(†)	13	13	(†)	(†)	(†)	(†)	25	(†)	(†)
Department of Health, Education, and Welfare	762	84	(†)	72	12	88	75	13	71	(†)	39	480	(†)	(†)
National Institutes of Health	392	39	(†)	27	12	23	23	(†)	58	(†)	26	246	(†)	(†)
Office of Education	118	14	(†)	14	(†)	39	39	(†)	13	(†)	(†)	52	(†)	(†)
Other	252	31	(†)	31	(†)	26	13	13	(†)	(†)	13	182	(†)	(†)
National Aeronautics and Space Administration	26	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	26	(†)	(†)
National Science Foundation	219	(†)	(†)	(†)	(†)	13	13	(†)	82	(†)	(†)	124	(†)	(†)
Environmental Protection Agency	110	35	(†)	35	(†)	13	13	(†)	(†)	(†)	(†)	62	(†)	(†)
Atomic Energy Commission	24	12	(†)	12	(†)	12	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency for International Development	43	(†)	(†)	(†)	(†)	12	12	(†)	(†)	(†)	(†)	31	(†)	(†)

219

220

Table B-16—Con.

Field and agency of support	Total	Research and development				Management and administration			Teaching	Pro-duction/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary-activity not reported
		Total	Basic research	Applied research	Develop-ment/ design	Total	Of R&D	Other than R&D						
Other agencies	103	13	(†)	13	(†)	30	(†)	30	(†)	(†)	14	46	(†)	(†)
Agency unknown	33	19	19	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14	(†)	(†)
Agency not reported	290	13	(†)	13	(†)	86	75	11	(†)	(†)	(†)	191	(†)	(†)
Computer specialists	13,347	1,074	96	197	781	1,508	545	963	306	311	634	9,141	225	148
Department of Housing and Urban Development	394	(†)	(†)	(†)	(†)	72	(†)	72	13	(†)	53	256	(†)	(†)
Department of Interior	151	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	52	99	(†)	(†)
Department of Labor	227	(†)	(†)	(†)	(†)	51	16	35	(†)	(†)	16	160	(†)	(†)
Department of Defense	7,600	795	71	91	633	906	397	509	118	84	304	5,167	145	81
Department of Commerce	177	17	(†)	17	(†)	18	(†)	18	(†)	(†)	13	129	(†)	(†)
Department of Agriculture	113	(†)	(†)	(†)	(†)	31	(†)	31	(†)	(†)	(†)	82	(†)	(†)
Department of Transportation	576	17	(†)	(†)	17	65	(†)	65	(†)	77	30	374	13	(†)
Department of Justice	408	33	(†)	33	(†)	70	17	53	61	(†)	101	143	(†)	(†)
Department of Health, Education, and Welfare	1,021	(†)	(†)	(†)	(†)	134	(†)	134	12	(†)	51	788	36	(†)
National Institutes of Health	525	(†)	(†)	(†)	(†)	85	(†)	85	(†)	(†)	17	423	(†)	(†)
Office of Education	226	(†)	(†)	(†)	(†)	32	(†)	32	(†)	(†)	17	177	(†)	(†)
Other	270	(†)	(†)	(†)	(†)	17	(†)	17	12	(†)	17	188	36	(†)
National Aeronautics and Space Administration	1,712	68	(†)	31	37	264	165	99	(†)	66	33	1,198	(†)	83
National Science Foundation	394	44	13	31	(†)	36	(†)	36	90	(†)	13	211	(†)	(†)
Environmental Protection Agency	196	18	(†)	(†)	18	34	(†)	34	(†)	(†)	16	128	(†)	(†)
Atomic Energy Commission	745	73	12	(†)	61	102	(†)	102	(†)	53	41	464	(†)	12
Agency for International Development	84	13	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)	36	35	(†)	(†)
Other agencies	858	(†)	(†)	(†)	(†)	67	34	33	13	38	35	705	(†)	(†)
Agency unknown	393	17	(†)	(†)	17	(†)	(†)	(†)	24	(†)	(†)	321	31	(†)
Agency not reported	581	35	(†)	(†)	35	(†)	(†)	(†)	(†)	99	57	390	(†)	(†)
Environmental scientists	10,892	3,916	1,941	1,791	184	2,228	1,141	1,087	1,434	661	604	1,109	663	277
Department of Housing and Urban Development	124	12	(†)	12	(†)	98	86	12	(†)	(†)	14	(†)	(†)	(†)
Department of Interior	2,265	1,148	680	456	12	329	196	133	106	185	60	228	57	152
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	2,254	729	310	345	74	722	566	156	128	38	186	279	110	62
Department of Commerce	1,569	383	163	184	36	429	122	307	22	224	25	259	227	(†)
Department of Agriculture	833	208	100	108	(†)	104	52	52	34	98	86	120	183	(†)
Department of Transportation	508	92	(†)	78	14	111	12	99	11	92	150	38	14	(†)
Department of Justice	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)
Department of Health, Education, and Welfare	275	(†)	(†)	(†)	(†)	38	(†)	38	225	(†)	(†)	12	(†)	(†)

Table B-16–Con.

Field and agency of support	Total	Research and development Total	Basic research	Applied research	Development/design	Management and administration Total	Of R&D	Other than R&D	Teaching	Production/inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
National Institutes of Health	28	(†)	(†)	(†)	(†)	28	(†)	28	(†)	(†)	(†)	(†)	(†)	(†)
Office of Education	212	(†)	(†)	(†)	(†)	10	(†)	10	202	(†)	(†)	(†)	(†)	(†)
Other	35	(†)	(†)	(†)	(†)	(†)	(†)	(†)	23	(†)	(†)	12	(†)	(†)
National Aeronautics and Space Administration	1,247	707	314	377	16	114	79	35	157	12	26	142	(†)	89
National Science Foundation	2,336	986	708	214	64	460	331	129	779	(†)	10	12	13	76
Environmental Protection Agency	416	229	76	153	(†)	125	52	73	(†)	(†)	26	36	(†)	(†)
Atomic Energy Commission	390	79	24	55	(†)	150	108	42	76	(†)	12	49	24	(†)
Agency for International Development	61	25	12	13	(†)	24	12	12	12	(†)	(†)	(†)	(†)	(†)
Other agencies	577	183	53	130	(†)	257	85	172	11	12	66	(†)	36	12
Agency unknown	212	(†)	(†)	(†)	(†)	(†)	(†)	(†)	202	(†)	(†)	10	(†)	(†)
Agency not reported	203	54	28	26	(†)	37	13	24	41	12	(†)	36	11	12
Earth scientists	7,349	2,502	1,513	898	91	1,436	666	770	1,279	400	419	689	375	249
Department of Housing and Urban Development	124	12	(†)	12	(†)	98	86	12	(†)	(†)	14	(†)	(†)	(†)
Department of Interior	2,159	1,078	680	386	12	293	173	120	106	185	60	228	57	152
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	1,194	328	171	92	65	399	290	109	59	25	153	120	48	62
Department of Commerce	281	102	67	35	(†)	91	29	62	11	(†)	(†)	51	26	(†)
Department of Agriculture	712	123	88	35	(†)	91	52	39	23	98	86	108	183	(†)
Department of Transportation	301	14	(†)	(†)	14	99	(†)	99	11	80	45	38	14	(†)
Department of Justice	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	11	(†)	(†)	(†)
Department of Health, Education, and Welfare	253	(†)	(†)	(†)	(†)	28	(†)	28	225	(†)	(†)	(†)	(†)	(†)
National Institutes of Health	28	(†)	(†)	(†)	(†)	28	(†)	28	(†)	(†)	(†)	(†)	(†)	(†)
Office of Education	202	(†)	(†)	(†)	(†)	(†)	(†)	(†)	202	(†)	(†)	(†)	(†)	(†)
Other	23	(†)	(†)	(†)	(†)	(†)	(†)	(†)	23	(†)	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	867	509	290	203	16	80	67	13	116	(†)	14	87	(†)	61
National Science Foundation	1,650	599	481	102	16	290	161	129	701	(†)	(†)	(†)	(†)	60
Environmental Protection Agency	184	70	(†)	70	(†)	64	28	36	(†)	(†)	14	36	(†)	(†)
Atomic Energy Commission	231	53	24	29	(†)	54	24	30	76	(†)	12	24	12	(†)
Agency for International Development	49	25	12	13	(†)	12	12	(†)	12	(†)	(†)	(†)	(†)	(†)
Other agencies	457	147	26	121	(†)	185	13	172	11	12	66	(†)	24	12
Agency unknown	212	(†)	(†)	(†)	(†)	(†)	(†)	(†)	202	(†)	(†)	10	(†)	(†)
Agency not reported	162	37	11	26	(†)	37	13	24	41	12	(†)	12	11	12

Table B-16—Con.

Field and agency of support	Total	Research and development				Management and administration			Teaching	Pro-duction/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
		Total	Basic research	Applied research	Develop-ment/ design	Total	Of R&D	Other than R&D						
Oceanographers	1,187	661	289	327	45	308	263	45	60	13	22	84	39	(†)
Department of Housing and Urban Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Interior	58	58	(†)	58	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	551	238	128	101	9	180	158	22	37	13	9	48	26	(†)
Department of Commerce	157	101	30	35	36	31	21	10	(†)	(†)	13	12	(†)	(†)
Department of Agriculture	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Transportation	64	52	(†)	52	(†)	12	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Justice	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	10	(†)	(†)	(†)	(†)	10	(†)	10	(†)	(†)	(†)	(†)	(†)	(†)
National Institutes of Health	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Office of Education	10	(†)	(†)	(†)	(†)	10	(†)	10	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	45	23	(†)	23	(†)	10	(†)	10	12	(†)	(†)	(†)	(†)	(†)
National Science Foundation	264	151	138	13	(†)	77	77	(†)	23	(†)	(†)	(†)	13	(†)
Environmental Protection Agency	94	71	13	58	(†)	23	(†)	23	(†)	(†)	(†)	(†)	(†)	(†)
Atomic Energy Commission	72	(†)	(†)	(†)	(†)	72	72	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agencies	94	22	13	9	(†)	72	72	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency unknown	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	41	17	17	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	24	(†)	(†)
Atmospheric scientists	2,365	753	139	566	48	484	212	272	95	248	163	336	249	28
Department of Housing and Urban Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Interior	48	12	(†)	12	(†)	36	23	13	(†)	(†)	(†)	(†)	(†)	(†)
Department of Labor	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Defense	509	163	11	152	(†)	143	118	25	32	(†)	24	111	36	(†)
Department of Commerce	1,131	180	66	114	(†)	307	72	235	11	224	12	196	201	(†)
Department of Agriculture	121	85	12	73	(†)	13	(†)	13	11	(†)	(†)	12	(†)	(†)
Department of Transportation	143	26	(†)	26	(†)	(†)	(†)	(†)	(†)	12	105	(†)	(†)	(†)
Department of Justice	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)
National Institutes of Health	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Office of Education	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	12	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)	(†)

Table B-16—Con.

Field and agency of support	Total	Research and development				Management and administration			Teaching	Production/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
		Total	Basic research	Applied research	Development/ design	Total	Of R&D	Other than R&D						
National Aeronautics and Space Administration	335	175	24	151	(†)	24	12	12	29	12	12	55	(†)	28
National Science Foundation	422	236	89	99	48	93	93	(†)	55	(†)	10	12	(†)	16
Environmental Protection Agency	138	88	63	25	(†)	38	24	14	(†)	(†)	12	(†)	(†)	(†)
Atomic Energy Commission	87	26	(†)	26	(†)	24	12	12	(†)	(†)	(†)	25	12	(†)
Agency for International Development	12	(†)	(†)	(†)	(†)	12	(†)	12	(†)	(†)	(†)	(†)	(†)	(†)
Other agencies	26	14	14	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Agency unknown	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	238,099	82,831	2,324	12,232	68,275	76,462	35,302	41,160	5,097	27,856	14,072	17,063	11,521	3,197
Department of Housing and Urban Development	10,455	1,966	36	24	1,906	3,798	454	3,344	36	1,209	2,047	794	442	163
Department of Interior	8,369	2,624	186	465	1,973	2,891	1,010	1,881	189	819	773	751	294	28
Department of Labor	1,325	400	39	12	349	230	58	172	(†)	177	337	81	64	36
Department of Defense	138,245	53,087	1,181	7,539	44,367	44,404	23,910	20,494	1,451	15,317	6,104	9,941	6,249	1,692
Department of Commerce	4,119	1,236	25	237	974	1,277	534	743	274	334	472	334	192	(†)
Department of Agriculture	5,672	1,978	37	517	1,424	1,839	450	1,389	288	374	631	360	202	(†)
Department of Transportation	31,380	6,750	186	694	5,870	13,111	3,469	9,642	464	4,613	2,293	2,101	1,566	482
Department of Justice	1,184	170	(†)	116	54	699	253	446	12	74	136	47	46	(†)
Department of Health, Education, and Welfare	4,842	1,040	106	304	630	1,332	599	733	868	332	560	533	141	36
National Institutes of Health	2,551	662	70	235	357	900	428	472	325	101	155	336	36	36
Office of Education	1,057	163	(†)	(†)	163	222	114	108	397	85	89	55	46	(†)
Other	1,234	215	36	69	110	210	57	153	146	146	316	142	59	(†)
National Aeronautics and Space Administration	42,029	17,070	375	2,603	14,092	12,677	8,729	3,948	451	4,910	1,681	2,822	1,846	572
National Science Foundation	5,655	1,584	178	485	921	1,495	822	673	1,596	242	299	271	35	133
Environmental Protection Agency	11,332	2,212	175	335	1,702	3,665	1,223	2,442	344	1,060	2,128	1,078	614	231
Atomic Energy Commission	17,529	7,477	293	1,088	6,096	5,063	3,161	1,902	260	1,932	1,011	849	746	191
Agency for International Development	828	146	(†)	59	87	433	72	361	(†)	71	129	(†)	49	(†)
Other agencies	8,675	2,652	12	553	2,087	2,913	703	2,210	142	901	690	556	620	201
Agency unknown	3,138	1,160	(†)	13	1,147	681	279	402	125	842	132	106	65	27
Agency not reported	3,843	961	39	125	797	1,327	574	753	34	494	361	295	228	143
Life scientists	35,140	13,596	8,234	5,002	360	9,056	3,615	5,441	5,701	1,409	2,047	1,592	1,493	246
Department of Housing and Urban Development	151	(†)	(†)	(†)	(†)	96	23	73	27	13	(†)	(†)	(†)	15
Department of Interior	3,398	588	125	439	24	1,482	541	941	349	178	237	334	217	13

Table B-16—Con.

Field and agency of support	Total	Research and development Total	Basic research	Applied research	Development/design	Management and administration Total	Of R&D	Other than R&D	Teaching	Production/inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
Department of Labor	80	11	(†)	11	(†)	16	(†)	16	27	13	(†)	(†)	13	(†)
Department of Defense	1,635	670	414	213	43	476	282	194	161	72	47	183	11	15
Department of Commerce	843	363	170	182	11	183	134	49	33	25	(†)	188	11	40
Department of Agriculture	14,608	4,522	1,571	2,832	119	4,571	1,139	3,432	1,471	1,034	1,389	510	1,006	105
Department of Transportation	240	62	24	38	(†)	70	11	59	67	13	(†)	13	(†)	15
Department of Justice	195	(†)	(†)	(†)	(†)	72	60	12	88	24	11	(†)	(†)	(†)
Department of Health, Education, and Welfare	10,224	5,528	4,767	679	82	1,533	1,084	449	2,490	87	200	177	65	144
National Institutes of Health	8,807	5,306	4,668	556	82	1,216	867	349	1,821	25	188	95	40	116
Office of Education	437	(†)	(†)	(†)	(†)	11	(†)	11	386	(†)	(†)	25	(†)	15
Other	980	222	99	123	(†)	306	217	89	283	62	12	57	25	13
National Aeronautics and Space Administration	573	201	123	63	15	268	243	25	40	26	11	(†)	12	15
National Science Foundation	2,799	1,391	1,195	185	11	388	270	118	948	(†)	(†)	72	(†)	(†)
Environmental Protection Agency	1,196	423	120	303	(†)	275	239	36	231	24	76	80	72	15
Atomic Energy Commission	1,058	785	613	104	68	58	47	11	130	13	(†)	60	12	(†)
Agency for International Development	301	105	36	69	(†)	85	75	10	59	13	27	(†)	12	(†)
Other agencies	1,247	531	232	299	(†)	286	185	101	214	41	73	28	74	(†)
Agency unknown	673	176	104	72	(†)	79	39	40	334	14	35	35	(†)	(†)
Agency not reported	760	244	141	90	13	301	143	158	168	(†)	24	11	(†)	12
Biological scientists	15,031	7,297	5,398	1,726	173	2,687	1,834	853	3,240	246	363	816	313	69
Department of Housing and Urban Development	61	(†)	(†)	(†)	(†)	46	11	35	(†)	(†)	(†)	(†)	(†)	15
Department of Interior	1,684	263	87	176	(†)	649	333	316	288	47	167	233	24	13
Department of Labor	24	11	(†)	11	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)
Department of Defense	1,011	434	238	153	43	323	223	100	122	37	13	67	(†)	15
Department of Commerce	794	363	170	182	11	147	122	25	33	12	(†)	188	11	40
Department of Agriculture	2,375	1,295	730	552	13	390	353	37	408	36	109	35	90	12
Department of Transportation	168	24	11	13	(†)	59	11	48	57	(†)	(†)	13	(†)	15
Department of Justice	123	(†)	(†)	(†)	(†)	25	13	12	76	11	11	(†)	(†)	(†)
Department of Health, Education, and Welfare	5,913	3,321	2,968	328	25	775	619	156	1,451	74	24	144	65	59
National Institutes of Health	4,955	3,186	2,927	234	25	570	451	119	984	12	24	95	40	44
Office of Education	332	(†)	(†)	(†)	(†)	(†)	(†)	(†)	304	(†)	(†)	13	(†)	15
Other	626	135	41	94	(†)	205	168	37	163	62	(†)	36	25	(†)
National Aeronautics and Space Administration	394	177	110	52	15	150	125	25	27	13	(†)	(†)	12	15
National Science Foundation	2,386	1,125	1,089	36	(†)	316	198	118	873	(†)	(†)	72	(†)	(†)
Environmental Protection Agency	709	177	106	71	(†)	194	169	25	206	11	13	55	38	15

Table B-16–Con.

Field and agency of support	Total	Research and development				Management and administration			Teaching	Production/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
		Total	Basic research	Applied research	Development/ design	Total	Of R&D	Other than R&D						
Atomic Energy Commission	902	642	531	43	68	58	47	11	130	(†)	(†)	60	12	(†)
Agency for International Development	49	13	13	(†)	(†)	23	23	(†)	13	(†)	(†)	(†)	(†)	(†)
Other agencies	782	370	184	186	(†)	162	125	37	161	17	12	(†)	60	(†)
Agency unknown	373	84	26	58	(†)	27	(†)	27	203	(†)	24	35	(†)	(†)
Agency not reported	288	122	92	17	13	103	65	38	50	(†)	13	(†)	(†)	(†)
Agricultural scientists	14,935	3,838	992	2,716	130	5,322	1,106	4,216	1,167	1,152	1,485	686	1,180	105
Department of Housing and Urban Development	38	(†)	(†)	(†)	(†)	25	12	13	(†)	13	(†)	(†)	(†)	(†)
Department of Interior	1,701	325	38	263	24	820	208	612	61	131	70	101	193	(†)
Department of Labor	29	(†)	(†)	(†)	(†)	16	(†)	16	(†)	13	(†)	(†)	(†)	(†)
Department of Defense	310	24	12	12	(†)	105	11	94	14	35	34	87	11	(†)
Department of Commerce	36	(†)	(†)	(†)	(†)	23	12	11	(†)	13	(†)	(†)	(†)	(†)
Department of Agriculture	12,112	3,134	783	2,245	106	4,181	786	3,395	1,035	998	1,280	475	916	93
Department of Transportation	47	13	13	(†)	(†)	11	(†)	11	10	13	(†)	(†)	(†)	(†)
Department of Justice	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	317	208	182	26	(†)	83	59	24	13	13	(†)	(†)	(†)	(†)
National Institutes of Health	269	196	182	14	(†)	47	47	(†)	13	13	(†)	(†)	(†)	(†)
Office of Education	11	(†)	(†)	(†)	(†)	11	(†)	11	(†)	(†)	(†)	(†)	(†)	(†)
Other	37	12	(†)	12	(†)	25	12	13	(†)	(†)	(†)	(†)	(†)	(†)
National Aeronautics and Space Administration	84	24	13	11	(†)	36	36	(†)	(†)	13	11	(†)	(†)	(†)
National Science Foundation	323	214	106	97	11	72	72	(†)	37	(†)	(†)	(†)	(†)	(†)
Environmental Protection Agency	421	235	14	221	(†)	38	27	11	25	13	63	13	34	(†)
Atomic Energy Commission	24	11	(†)	11	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	(†)	(†)
Agency for International Development	252	92	23	69	(†)	62	52	10	46	13	27	(†)	12	(†)
Other agencies	219	96	11	85	(†)	35	12	23	25	13	24	12	14	(†)
Agency unknown	89	(†)	(†)	(†)	(†)	52	39	13	12	14	11	(†)	(†)	(†)
Agency not reported	128	50	37	13	(†)	55	(†)	55	(†)	(†)	(†)	11	(†)	12
Medical scientists	5,174	2,461	1,844	560	57	1,047	675	372	1,294	11	199	90	(†)	72
Department of Housing and Urban Development	52	(†)	(†)	(†)	(†)	25	(†)	25	27	(†)	(†)	(†)	(†)	(†)
Department of Interior	13	(†)	(†)	(†)	(†)	13	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)
Department of Labor	27	(†)	(†)	(†)	(†)	(†)	(†)	(†)	27	(†)	(†)	(†)	(†)	(†)
Department of Defense	314	212	164	48	(†)	48	48	(†)	25	(†)	(†)	29	(†)	(†)
Department of Commerce	13	(†)	(†)	(†)	(†)	13	(†)	13	(†)	(†)	(†)	(†)	(†)	(†)
Department of Agriculture	121	93	58	35	(†)	(†)	(†)	(†)	28	(†)	(†)	(†)	(†)	(†)
Department of Transportation	25	25	(†)	25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-16—Con.

Field and agency of support	Total	Research and development				Management and administration			Teaching	Production/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
		Total	Basic research	Applied research	Development/ design	Total	Of R&D	Other than R&D						
Department of Justice	59	(†)	(†)	(†)	(†)	47	47	(†)	12	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	3,994	1,999	1,617	325	57	675	406	269	1,026	(†)	176	33	(†)	85
National Institutes of Health	3,583	1,924	1,559	308	57	599	369	230	824	(†)	164	(†)	(†)	72
Office of Education	94	(†)	(†)	(†)	(†)	(†)	(†)	(†)	82	(†)	(†)	12	(†)	(†)
Other	317	75	58	17	(†)	76	37	39	120	(†)	12	21	(†)	13
National Aeronautics and Space Administration	95	(†)	(†)	(†)	(†)	82	82	(†)	13	(†)	(†)	(†)	(†)	(†)
National Science Foundation	90	52	(†)	52	(†)	(†)	(†)	(†)	38	(†)	(†)	(†)	(†)	(†)
Environmental Protection Agency	66	11	(†)	11	(†)	43	43	(†)	(†)	(†)	(†)	12	(†)	(†)
Atomic Energy Commission	132	132	82	50	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency for International Development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other agencies	246	65	37	28	(†)	89	48	41	28	11	37	16	(†)	(†)
Agency unknown	211	92	78	14	(†)	(†)	(†)	(†)	119	(†)	(†)	(†)	(†)	(†)
Agency not reported	344	72	12	60	(†)	143	78	65	118	(†)	11	(†)	(†)	(†)
Psychologists	11,471	1,893	812	865	216	2,827	1,502	1,325	1,991	(†)	3,701	515	389	155
Department of Housing and Urban Development	80	55	13	42	(†)	12	12	(†)	(†)	(†)	13	(†)	(†)	(†)
Department of Interior	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)
Department of Labor	271	13	(†)	13	(†)	140	12	128	27	(†)	14	13	(†)	64
Department of Defense	1,336	515	129	281	105	241	213	28	97	(†)	172	156	143	12
Department of Commerce	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Agriculture	107	(†)	(†)	(†)	(†)	107	(†)	107	(†)	(†)	(†)	(†)	(†)	(†)
Department of Transportation	348	38	(†)	25	13	231	231	(†)	14	(†)	(†)	65	(†)	(†)
Department of Justice	618	26	13	13	(†)	148	69	79	80	(†)	311	27	13	13
Department of Health, Education, and Welfare	5,757	843	554	190	99	1,656	986	670	1,220	(†)	1,540	292	167	39
National Institutes of Health	2,540	587	491	96	(†)	744	383	361	667	(†)	503	13	(†)	26
Office of Education	1,835	99	(†)	13	86	451	273	178	249	(†)	765	168	90	13
Other	1,382	157	63	81	13	461	330	131	304	(†)	272	111	77	(†)
National Aeronautics and Space Administration	208	27	13	14	(†)	24	24	(†)	27	(†)	(†)	14	116	(†)
National Science Foundation	646	159	159	(†)	(†)	178	30	48	309	(†)	(†)	(†)	(†)	(†)
Environmental Protection Agency	13	(†)	(†)	(†)	(†)	13	13	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atomic Energy Commission	221	(†)	(†)	(†)	(†)	105	(†)	105	(†)	(†)	(†)	(†)	116	(†)
Agency for International Development	25	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13	(†)	(†)	12	(†)	(†)

Table B-16—Con.

		Research and development				Management and administration								
Field and agency of support	Total	Total	Basic research	Applied research	Develop-ment/ design	Total	Of R&D	Other than R&D	Teaching	Pro-duction/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
Other agencies	1,108	243	75	168	(†)	153	116	37	95	(†)	539	13	65	(†)
Agency unknown	452	(†)	(†)	(†)	(†)	37	14	23	95	(†)	307	(†)	13	(†)
Agency not reported	2,214	192	25	155	12	501	167	334	311	(†)	1,092	26	52	40
Social scientists	16,574	3,105	1,226	1,771	108	5,246	2,398	2,848	2,998	327	901	2,473	1,320	204
Department of Housing and Urban Development	1,130	189	32	157	(†)	264	183	81	163	(†)	71	293	136	14
Department of Interior	604	125	36	89	(†)	153	125	28	172	(†)	62	62	17	13
Department of Labor	1,818	142	73	52	17	534	236	298	240	(†)	(†)	393	359	150
Department of Defense	1,984	363	92	239	32	1,220	465	755	117	29	(†)	255	(†)	(†)
Department of Commerce	658	94	31	50	13	241	174	67	49	(†)	33	195	46	(†)
Department of Agriculture	2,269	714	118	577	19	461	325	136	641	28	28	331	54	12
Department of Transportation	506	56	(†)	56	(†)	90	90	(†)	63	121	16	143	(†)	17
Department of Justice	791	105	25	80	(†)	362	80	282	171	(†)	32	31	90	(†)
Department of Health, Education, and Welfare	4,177	554	367	187	(†)	1,410	585	825	1,159	81	310	338	296	29
National Institutes of Health	1,116	159	146	13	(†)	424	213	211	449	(†)	44	40	(†)	(†)
Office of Education	673	147	75	72	(†)	107	72	35	257	68	25	(†)	57	12
Other	2,388	248	146	102	(†)	879	300	579	453	13	241	298	239	17
National Aeronautics and Space Administration	413	64	31	14	19	270	127	143	79	(†)	(†)	(†)	(†)	(†)
National Science Foundation	996	301	252	49	(†)	172	134	38	438	13	(†)	42	16	14
Environmental Protection Agency	422	37	(†)	37	(†)	193	176	17	49	12	17	67	30	17
Atomic Energy Commission	161	35	16	(†)	19	28	17	11	64	(†)	(†)	34	(†)	(†)
Agency for International Development	335	85	(†)	85	(†)	54	16	38	136	(†)	27	33	(†)	(†)
Other agencies	1,844	492	255	225	12	395	239	156	287	(†)	135	323	212	(†)
Agency unknown	386	(†)	(†)	(†)	(†)	194	12	182	117	(†)	46	17	12	(†)
Agency not reported	1,594	190	79	96	15	541	238	303	256	67	186	109	245	(†)
Economists	6,935	1,657	347	1,255	55	1,866	1,248	618	888	136	238	1,638	466	46
Department of Housing and Urban Development	566	123	17	106	(†)	96	79	17	101	(†)	31	110	105	(†)
Department of Interior	338	89	(†)	89	(†)	98	98	(†)	35	(†)	49	50	17	(†)
Department of Labor	813	91	58	16	17	277	224	53	60	(†)	(†)	303	65	17
Department of Defense	860	217	18	180	19	498	261	237	(†)	12	(†)	133	(†)	(†)
Department of Commerce	508	50	(†)	50	(†)	213	146	67	(†)	(†)	33	179	33	(†)
Department of Agriculture	1,825	562	69	474	19	449	313	136	438	15	28	279	54	(†)
Department of Transportation	332	31	(†)	31	(†)	44	44	(†)	(†)	121	16	103	(†)	17
Department of Justice	112	(†)	(†)	(†)	(†)	32	(†)	32	19	(†)	16	21	24	(†)
Department of Health, Education, and Welfare	423	71	14	57	(†)	116	17	99	70	(†)	16	105	16	29

Table B-16—Con.

Field and agency of support	Total	Research and development				Management and administration			Teaching	Production/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
		Total	Basic research	Applied research	Development/ design	Total	Of R&D	Other than R&D						
Department of HEW con.														
National Institutes of Health	57	(†)	(†)	(†)	(†)	40	(†)	40	17	(†)	(†)	(†)	(†)	(†)
Office of Education	78	14	14	(†)	(†)	35	(†)	35	17	(†)	(†)	(†)	(†)	12
Other	288	57	(†)	57	(†)	41	17	24	36	(†)	16	105	16	17
National Aeronautics and Space Administration	170	33	(†)	14	19	137	113	24	(†)	(†)	(†)	(†)	(†)	(†)
National Science Foundation	313	100	51	49	(†)	100	76	24	80	(†)	(†)	17	16	(†)
Environmental Protection Agency	330	20	(†)	20	(†)	180	163	17	(†)	12	17	67	17	17
Atomic Energy Commission	85	19	(†)	(†)	19	17	17	(†)	15	(†)	(†)	34	(†)	(†)
Agency for International Development	189	69	(†)	69	(†)	40	16	24	32	(†)	15	33	(†)	(†)
Other agencies	956	260	89	171	(†)	229	148	81	33	(†)	34	258	142	(†)
Agency unknown	48	(†)	(†)	(†)	(†)	(†)	(†)	(†)	15	(†)	16	17	(†)	(†)
Agency not reported	341	100	31	69	(†)	73	57	16	53	(†)	16	82	17	(†)
Sociologists/anthropologists	3,199	748	531	217	(†)	592	330	262	1,302	67	111	144	223	12
Department of Housing and Urban Development	52	15	15	(†)	(†)	10	10	(†)	13	(†)	14	(†)	(†)	(†)
Department of Interior	140	24	24	(†)	(†)	43	15	28	73	(†)	(†)	(†)	(†)	(†)
Department of Labor	118	38	15	23	(†)	16	(†)	16	39	(†)	(†)	25	(†)	(†)
Department of Defense	23	23	(†)	23	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Commerce	15	15	15	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Department of Agriculture	239	89	49	40	(†)	12	12	(†)	126	(†)	(†)	(†)	(†)	12
Department of Transportation	49	13	(†)	13	(†)	10	10	(†)	14	(†)	(†)	12	(†)	(†)
Department of Justice	272	38	25	13	(†)	39	39	(†)	103	(†)	16	10	66	(†)
Department of Health, Education, and Welfare	1,290	311	212	99	(†)	366	287	79	556	(†)	(†)	57	(†)	(†)
National Institutes of Health	543	133	120	13	(†)	151	136	15	231	(†)	(†)	28	(†)	(†)
Office of Education	170	72	14	58	(†)	(†)	(†)	(†)	98	(†)	(†)	(†)	(†)	(†)
Other	577	106	78	28	(†)	215	151	64	227	(†)	(†)	29	(†)	(†)
National Aeronautics and Space Administration	31	31	31	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
National Science Foundation	544	173	173	(†)	(†)	72	58	14	274	(†)	(†)	25	(†)	(†)
Environmental Protection Agency	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atomic Energy Commission	16	16	16	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agency for International Development	42	16	(†)	16	(†)	(†)	(†)	(†)	26	(†)	(†)	(†)	(†)	(†)
Other agencies	206	40	27	13	(†)	26	14	12	89	(†)	51	(†)	(†)	(†)
Agency unknown	56	(†)	(†)	(†)	(†)	12	12	(†)	28	(†)	16	(†)	(†)	(†)
Agency not reported	567	61	48	13	(†)	157	28	129	84	67	14	27	157	(†)

Table B-16—Con.

Field and agency of support	Total	Research and development				Management and administration			Teaching	Pro-duction/ inspection	Consulting	Reporting, stat. work, computing applications	Other activities	Primary activity not reported
		Total	Basic research	Applied research	Develop-ment/ design	Total	Of R&D	Other than R&D						
Other social scientists	6,440	700	348	299	53	2,788	820	1,968	808	124	552	691	631	146
Department of Housing and Urban Development	512	51	(†)	51	(†)	158	94	64	49	(†)	26	183	31	14
Department of Interior	126	12	12	(†)	(†)	12	12	(†)	64	(†)	13	12	(†)	13
Department of Labor	887	13	(†)	13	(†)	241	12	229	141	(†)	(†)	65	294	133
Department of Defense	1,101	123	74	36	13	722	204	518	117	17	(†)	122	(†)	(†)
Department of Commerce	135	29	16	(†)	13	28	28	(†)	49	(†)	(†)	16	13	(†)
Department of Agriculture	205	63	(†)	63	(†)	(†)	(†)	(†)	77	13	(†)	52	(†)	(†)
Department of Transportation	125	12	(†)	12	(†)	36	36	(†)	49	(†)	(†)	28	(†)	(†)
Department of Justice	407	67	(†)	67	(†)	291	41	250	49	(†)	(†)	(†)	(†)	(†)
Department of Health, Education, and Welfare	2,464	172	141	31	(†)	928	281	647	533	81	294	176	280	(†)
National Institutes of Health	516	26	26	(†)	(†)	233	77	156	201	(†)	44	12	(†)	(†)
Office of Education	425	61	47	14	(†)	72	72	(†)	142	68	25	(†)	57	(†)
Other	1,523	85	68	17	(†)	623	132	491	190	13	225	164	223	(†)
National Aeronautics and Space Administration	212	(†)	(†)	(†)	(†)	133	14	119	79	(†)	(†)	(†)	(†)	(†)
National Science Foundation	139	28	28	(†)	(†)	(†)	(†)	(†)	84	13	(†)	(†)	(†)	14
Environmental Protection Agency	92	17	(†)	17	(†)	13	13	(†)	49	(†)	(†)	(†)	13	(†)
Atomic Energy Commission	60	(†)	(†)	(†)	(†)	11	(†)	11	49	(†)	(†)	(†)	(†)	(†)
Agency for International Development	104	(†)	(†)	(†)	(†)	14	(†)	14	78	(†)	12	(†)	(†)	(†)
Other agencies	682	192	139	41	12	140	77	63	165	(†)	50	65	70	(†)
Agency unknown	282	(†)	(†)	(†)	(†)	182	(†)	182	74	(†)	14	(†)	12	(†)
Agency not reported	686	29	(†)	14	15	311	153	158	119	(†)	156	(†)	71	(†)

(†) No cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-17.—Number of women scientists and engineers, by field and type of employer: 1974

			Educational institutions											
Field	Total	Business and industry	Total	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organization	Federal Government	Military	State and local government	Other government	Other	No report
Total, all fields	43,412	7,572	16,942	12,449	1,607	2,886	2,930	2,483	4,174	80	3,827	762	4,200	442
Physical scientists	7,125	1,887	2,138	1,901	211	26	362	260	814	(†)	470	132	1,009	53
Chemists	6,244	1,788	1,777	1,582	169	26	330	239	635	(†)	397	132	893	53
Physicists/astronomers	644	48	349	307	42	(†)	32	21	93	(†)	(†)	(†)	101	(†)
Other physical scientists	237	51	12	12	(†)	(†)	(†)	(†)	86	(†)	73	(†)	15	(†)
Mathematical scientists	3,099	501	1,194	872	255	67	80	73	513	28	219	83	380	28
Mathematicians	2,034	369	1,071	816	255	(†)	(†)	27	206	28	48	36	249	(†)
Statisticians	1,065	132	123	56	(†)	67	80	46	307	(†)	171	47	131	28
Computer specialists	5,581	2,947	559	483	38	38	75	197	393	(†)	413	314	623	60
Environmental scientists	815	103	453	419	34	(†)	(†)	14	203	(†)	42	(†)	(†)	(†)
Earth scientists	738	103	388	354	34	(†)	(†)	14	191	(†)	42	(†)	(†)	(†)
Oceanographers	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	77	(†)	65	65	(†)	(†)	(†)	(†)	12	(†)	(†)	(†)	(†)	(†)
Engineers	2,599	1,209	98	98	(†)	(†)	(†)	137	269	52	386	82	366	(†)
Life scientists	7,950	378	4,561	3,558	695	308	711	454	545	(†)	382	109	797	13
Biological scientists	4,955	259	2,989	2,381	416	192	187	196	443	(†)	261	68	552	(†)
Agricultural scientists	200	14	141	109	(†)	32	(†)	(†)	15	(†)	30	(†)	(†)	(†)
Medical scientists	2,795	105	1,431	1.068	279	84	524	258	87	(†)	91	41	245	13
Psychologists	8,465	176	4,811	2,401	198	2,212	1,464	561	275	(†)	594	42	464	78
Social scientists	7,778	371	3,128	2,717	176	235	238	787	1,162	(†)	1,321	(†)	561	210
Economists	1,649	85	292	280	12	(†)	(†)	70	683	(†)	282	(†)	190	47
Sociologists/anthropologists	2,516	250	1,484	1,306	152	26	27	97	279	(†)	264	(†)	103	12
Other social scientists	3,613	36	1,352	1,131	12	209	211	620	200	(†)	775	(†)	268	151

(†) No cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-18.—Number of women scientists and engineers, by field and primary work activity, 1974

		Research and development				Management and administration							
Field	Total	Total	Basic research	Applied research	Development design	Total	Of R&D	Of other than R&D	Teaching	Production inspection	Consulting	Other activities	Not reported
Total, all fields	43,412	10,845	5,904	3,249	1,692	3,932	1,725	2,207	9,433	1,643	5,975	10,247	1,337
Physical scientists	7,125	3,845	2,266	1,162	417	426	207	219	834	731	278	818	193
Chemists	6,244	3,601	2,121	1.084	396	397	191	206	600	679	114	676	177
Physicists/astronomers ..	644	200	116	63	21	29	16	13	234	17	86	62	16
Other physical scientists .	237	44	29	15	(†)	(†)	(†)	(†)	(†)	35	78	80	(†)
Mathematical scientists	3,099	336	225	93	18	264	107	157	1,003	118	45	1,304	29
Mathematicians	2,034	268	225	25	18	211	107	104	977	104	14	445	15
Statisticians	1,065	68	(†)	68	(†)	53	(†)	53	26	14	31	859	14
Computer specialists	5,581	253	75	32	146	258	95	163	267	119	385	4,239	60
Environmental scientists	815	514	314	184	16	16	(†)	16	157	(†)	14	100	14
Earth scientists	738	449	249	184	16	16	(†)	16	157	(†)	14	88	14
Oceanographers	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists ..	77	65	65	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	12	(†)
Engineers	2,599	1,122	36	286	800	15	(†)	15	12	364	139	933	14
Life scientists	7,950	2,994	2,152	731	111	749	288	461	2,803	185	423	615	181
Biological scientists	4,955	1,991	1,390	518	83	262	146	116	1,934	158	190	408	12
Agricultural scientists ...	200	138	138	(†)	(†)	16	(†)	16	15	(†)	17	14	(†)
Medical scientists	2,795	865	624	213	28	471	142	329	854	27	216	193	169
Psychologists	8,465	685	357	224	104	1,110	517	593	2,088	18	3,849	396	319
Social scientists	7,778	1,096	479	537	80	1,094	511	583	2,269	108	842	1,842	527
Economists	1,649	385	95	223	67	360	132	228	209	(†)	47	567	81
Sociologists/ anthropologists	2,516	331	212	119	(†)	192	38	154	1,205	14	210	524	40
Other social scientists ...	3,613	380	172	195	13	542	341	201	855	94	585	751	406

(†) No cases reported

Source: National Science Foundation, National Sample, 1974.

Table B-19.—Median annual salaries of women scientists and engineers by field, race, and age: 1974

Field and race	Total	Under 25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over
Total, all fields	$15,700	(†)	$ 13,200	$ 15,100	$ 16,000	$ 17,300	$ 17,300	$ 17,200	$19,200	$16,900	(†)	(†)
White/Caucasian	15,700	(†)	13,200	15,400	16,000	17,400	17,200	17,000	19,200	17,400	(†)	(†)
Black/Negro	16,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	15,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Physical scientists*	14,700	(†)	11,000	14,000	16,000	15,400	13,900	(†)	(†)	(†)	(†)	(†)
White/Caucasian	14,800	(†)	10,900	15,200	16,100	13,500	14,000	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	13,900	(†)	10,900	13,600	15,700	13,000	13,700	(†)	(†)	(†)	(†)	(†)
White/Caucasian	14,200	(†)	10,900	14,700	15,600	12,800	13,900	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	15,500	(†)	14,000	15,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	15,300	(†)	13,700	15,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematicians	15,400	(†)	14,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	15,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	15,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	16,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	16,200	(†)	15,200	16,500	19,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	16,100	(†)	15,200	16,300	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-19–Con.

Field and race	Total	Under 25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over
Environmental scientists*	$ 14,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	18,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Earth scientists	14,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	15,600	(†)	14,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	15,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Life scientists*	13,400	(†)	11,400	12,200	13,600	16,100	15,500	12,600	(†)	(†)	(†)	(†)
White/Caucasian	13,400	(†)	11,300	12,800	13,700	16,100	15,500	12,600	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Biological scientists	13,200	(†)	11,000	11,900	15,300	16,400	14,700	13,000	(†)	(†)	(†)	(†)
White/Caucasian	13,400	(†)	10,900	12,700	15,600	16,400	14,400	12,900	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	15,600	(†)	(†)	(†)	(†)	15,700	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	15,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	17,500	(†)	12,500	15,000	17,700	18,800	19,200	20,300	19,700	19,000	(†)	(†)
White/Caucasian	17,400	(†)	12,500	15,100	16,800	18,600	19,300	20,300	19,700	19,400	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-19—Con.

Field and race	Total	Under 25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over
Social scientists	$16,200	(†)	$12,400	$15,400	$15,600	$ 19,900	$17,600	$16,800	(†)	(†)	(†)	(†)
White/Caucasian	16,100	(†)	12,500	15,300	15,500	19,900	17,400	16,700	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Economists	17,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	17,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Sociologists/anthropologists	16,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	16,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	13,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	13,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

† Less than 20 Sample cases.

* Data for physicists/astronomers, other physical scientists, oceanographers, atmospheric scientists, and agricultural scientists are excluded because all cells in these fields represent less than 20 Sample cases.

Source National Science Foundation, National Sample, 1974.

Table B-20.—Median annual salaries of women scientists and engineers, by field and highest degree: 1974

Field	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Total, all fields	$15,700	$18,400	(†)	$15,000	$14,500	(†)	(†)	(†)
Physical scientists	14,700	16,900	(†)	15,300	12,500	(†)	(†)	(†)
Chemists	13,900	15,800	(†)	15,100	12,300	(†)	(†)	(†)
Physicists/astronomers	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	15,500	19,700	(†)	15,200	14,900	(†)	(†)	(†)
Mathematicians	15,400	18,300	(†)	14,500	15,600	(†)	(†)	(†)
Statisticians	15,900	(†)	(†)	(†)	14,100	(†)	(†)	(†)
Computer specialists	16,200	(†)	(†)	15,600	16,500	(†)	(†)	(†)
Environmental scientists	14,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Earth scientists	14,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	15,600	(†)	(†)	15,800	15,300	(†)	(†)	(†)
Life scientists	13,400	16,800	(†)	12,400	12,200	(†)	(†)	(†)
Biological scientists	13,200	16,100	(†)	11,500	12,800	(†)	(†)	(†)
Agricultural scientists	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	15,600	20,100	(†)	15,900	11,500	(†)	(†)	(†)
Psychologists	17,500	18,900	(†)	16,500	(†)	(†)	(†)	(†)
Social scientists	16,200	20,100	(†)	14,600	13,600	(†)	(†)	(†)
Economists	17,400	(†)	(†)	(†)	16,100	(†)	(†)	(†)
Sociologists/anthropologists	16,800	18,500	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	13,900	20,400	(†)	13,700	11,500	(†)	(†)	(†)

(†) Less than 20 sample cases.

Source: National Science Foundation, National Sample, 1974.

Table B-21.—Median annual salaries of scientists and engineers by field, highest degree and type of employer: 1974

			Educational institutions										
Field and highest degree	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Total, all fields . .	$19,300	$19,000	$19,400	$17,400	$19,000	$17,500	$20,100	$21,700	$16,400	$18,900	$19,400	$19,600	$25,100
Doctorate	21,900	23,700	20,500	17,900	21,800	20,300	22,900	24,300	19,400	22,000	22,700	23,600	(†)
Professional/medical .	24,900	20,300	34,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	19,400	19,800	15,700	17,600	18,500	15,500	18,900	21,800	15,900	19,100	20,300	19,700	(†)
Bachelor's	18,800	18,600	14,800	15,800	15,400	14,300	18,300	20,900	16,300	18,900	19,100	18,600	(†)
Associate	16,000	15,800	(†)	(†)	(†)	(†)	(†)	(†)	15,800	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	16,400	16,400	(†)	(†)	(†)	(†)	(†)	21,000	16,300	(†)	(†)	15,300	(†)
Physical scientists	19,500	19,700	18,700	17,600	(†)	18,300	21,400	21,700	15,600	18,200	18,200	19,500	(†)
Doctorate	21,800	23,900	19,300	18,400	(†)	18,600	22,400	23,600	18,300	27,100	(†)	22,600	(†)
Professional/medical .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	19,000	19,600	14,400	17,300	(†)	(†)	18,000	20,900	(†)	19,400	(†)	17,800	(†)
Bachelor's	17,100	17,100	9,000	(†)	(†)	(†)	17,700	20,100	14,900	17,100	(†)	16,200	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	18,900	19,000	18,700	17,700	(†)	17,700	18,300	20,300	14,300	16,500	18,300	18,400	(†)
Doctorate	21,500	23,600	19,400	(†)	(†)	(†)	20,000	25,000	(†)	(†)	(†)	22,300	(†)
Professional/medical .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	17,900	18,600	12,900	(†)	(†)	(†)	(†)	20,400	(†)	(†)	(†)	17,200	(†)
Bachelor's	16,500	16,700	(†)	(†)	(†)	(†)	(†)	18,900	13,400	15,500	(†)	16,100	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Physicist/astronomers .	21,300	22,300	18,500	17,400	(†)	(†)	23,500	22,600	18,900	(†)	(†)	21,900	(†)
Doctorate	22,100	24,600	19,100	(†)	(†)	(†)	24,000	23,400	19,900	(†)	(†)	23,600	(†)
Professional/medical .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	21,100	24,000	16,000	18,000	(†)	(†)	(†)	22,200	(†)	(†)	(†)	(†)	(†)
Bachelor's	19,400	19,700	(†)	(†)	(†)	(†)	(†)	22,000	(†)	(†)	(†)	18,800	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	21,700	21,600	18,000	(†)	(†)	(†)	(†)	23,900	(†)	20,000	(†)	22,600	(†)
Doctorate	22,800	(†)	20,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	24,500	(†)
Professional/medical .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	20,500	(†)	(†)	(†)	(†)	(†)	(†)	22,200	(†)	(†)	(†)	(†)	(†)
Bachelor's	20,200	(†)	(†)	(†)	(†)	(†)	(†)	25,800	(†)	18,000	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-21—Con.

Field and highest degree	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Mathematical scientists	$19,800	$20,700	$19,400	$16,000	(†)	(†)	$23,100	$21,700	$15,000	$17,000	(†)	$20,700	(†)
Doctorate	21,200	25,000	20,500	(†)	(†)	(†)	(†)	25,800	(†)	(†)	(†)	30,100	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	18,100	20,700	15,300	16,000	(†)	(†)	(†)	20,600	(†)	(†)	(†)	18,900	(†)
Bachelor's	19,400	19,900	(†)	(†)	(†)	(†)	(†)	20,900	(†)	17,200	(†)	20,200	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematicians	19,700	21,800	19,200	16,000	(†)	(†)	23,900	20,900	(†)	16,800	(†)	20,200	(†)
Doctorate	20,800	(†)	20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	17,500	21,800	15,300	16,000	(†)	(†)	(†)	20,300	(†)	(†)	(†)	(†)	(†)
Bachelor's	20,400	20,900	(†)	(†)	(†)	(†)	(†)	20,700	(†)	(†)	(†)	20,200	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	20,000	20,200	20,200	(†)	(†)	(†)	(†)	23,200	14,200	17,400	(†)	21,800	(†)
Doctorate	23,400	(†)	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	19,700	20,400	(†)	(†)	(†)	(†)	(†)	21,200	(†)	(†)	(†)	(†)	(†)
Bachelor's	17,100	17,400	(†)	(†)	(†)	(†)	(†)	21,800	(†)	(†)	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	18,400	18,200	17,000	(†)	(†)	(†)	17,800	20,900	15,700	18,300	$19,500	19,300	(†)
Doctorate	22,200	26,000	21,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	19,000	19,000	15,800	(†)	(†)	(†)	(†)	21,500	(†)	(†)	(†)	18,800	(†)
Bachelor's	18,000	17,700	14,700	(†)	(†)	(†)	17,200	20,600	15,700	18,200	18,800	19,100	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental scientists	20,100	20,200	19,300	18,100	(†)	(†)	(†)	21,400	14,900	19,600	20,800	19,300	(†)
Doctorate	22,000	22,800	21,300	(†)	(†)	(†)	(†)	25,900	(†)	21,300	(†)	(†)	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	19,600	19,800	13,800	(†)	(†)	(†)	(†)	21,000	(†)	(†)	(†)	19,900	(†)
Bachelor's	19,100	20,000	(†)	(†)	(†)	(†)	(†)	19,600	14,800	19,000	21,200	17,200	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-21–Con.

Field and highest degree	Total	Business and industry	Educational institutions 4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Earth scientists	$19,700	$20,200	$18,800	$18,100	(†)	(†)	(†)	$20,600	$14,700	$18,900	$20,800	$18,800	(†)
Doctorate	21,700	22,400	21,100	(†)	(†)	(†)	(†)	25,600	(†)	(†)	(†)	(†)	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	19,300	19,900	12,900	(†)	(†)	(†)	(†)	20,800	(†)	(†)	(†)	19,700	(†)
Bachelor's	18,700	20,000	(†)	(†)	(†)	(†)	(†)	18,900	15,000	18,500	21,200	16,300	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	20,700	(†)	21,400	(†)	(†)	(†)	(†)	22,100	(†)	(†)	(†)	(†)	(†)
Doctorate	21,500	(†)	22,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Bachelor's	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	22,300	(†)	20,900	(†)	(†)	(†)	(†)	22,800	(†)	(†)	(†)	(†)	(†)
Doctorate	26,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	21,100	(†)	(†)	(†)	(†)	(†)	(†)	21,900	(†)	(†)	(†)	(†)	(†)
Bachelor's	21,900	(†)	(†)	(†)	(†)	(†)	(†)	22,300	(†)	(†)	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	19,400	19,000	20,800	18,500	$19,700	(†)	$20,700	22,300	17,400	19,400	19,300	19,700	(†)
Doctorate	23,200	23,400	22,900	(†)	(†)	(†)	22,600	23,400	(†)	(†)	(†)	24,800	(†)
Professional/medical	20,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	20,100	19,900	19,300	19,300	(†)	(†)	20,800	22,600	18,600	20,100	20,100	20,300	(†)
Bachelor's	19,100	18,800	15,600	15,700	(†)	(†)	19,600	22,200	17,400	19,500	19,300	19,100	(†)
Associate	16,000	15,800	(†)	(†)	(†)	(†)	(†)	(†)	15,800	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	16,400	16,400	(†)	(†)	(†)	(†)	(†)	21,000	16,300	(†)	(†)	15,300	(†)
Life scientists	17,800	18,300	19,200	16,500	13,600	15,200	15,600	17,700	13,900	15,000	(†)	17,000	(†)
Doctorate	20,300	20,800	19,900	17,000	21,200	16,900	21,600	22,300	19,300	(†)	(†)	21,100	(†)
Professional/medical	32,400	(†)	34,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	15,500	18,500	14,200	16,600	(†)	(†)	(†)	17,600	13,400	14,800	(†)	15,800	(†)
Bachelor's	15,800	16,900	16,500	(†)	(†)	(†)	14,100	16,600	13,000	14,600	(†)	16,000	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-21–Con.

Field and highest degree	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Biological scientists . . .	$17,900	$18,900	$19,000	$15,700	$13,400	(†)	$16,000	$18,800	$14,100	$15,400	(†)	$16,800	(†)
Doctorate	19,900	21,800	19,700	17,000	(†)	(†)	19,600	22,600	18,400	(†)	(†)	20,800	(†)
Professional/medical .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	14,400	18,600	12,900	15,300	(†)	(†)	(†)	16,900	13,100	(†)	(†)	15,400	(†)
Bachelor's	14,600	15,300	(†)	(†)	(†)	(†)	(†)	16,300	13,500	14,200	(†)	14,600	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists .	17,100	17 900	18,600	(†)	(†)	(†)	(†)	17,100	13,400	14,700	(†)	20,100	(†)
Doctorate	20,600	20,400	19,800	(†)	(†)	(†)	(†)	21,700	20,300	(†)	(†)	(†)	(†)
Professional/medical .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	16,600	18,200	15,200	(†)	(†)	(†)	(†)	17,800	14,000	(†)	(†)	(†)	(†)
Bachelor's	16,300	17,500	(†)	(†)	(†)	(†)	(†)	16,700	12,800	15,000	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	19,700	(†)	20,700	(†)	(†)	$15,700	(†)	25,000	(†)	(†)	(†)	17,600	(†)
Doctorate	21,000	(†)	21,000	(†)	(†)	(†)	(†)	24,500	(†)	(†)	(†)	(†)	(†)
Professional/medical .	34,000	(†)	35,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	16,900	(†)	16,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Bachelor's	14,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	19,400	19,600	19,300	18,300	$19,400	18,300	21,300	22,700	17,700	18,400	(†)	25,700	(†)
Doctorate	21,100	24,800	20,000	(†)	21,500	20,800	25,400	24,100	22,500	19,200	(†)	26,800	(†)
Professional/medical .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	17,100	21,300	14,200	15,700	18,900	14,900	13,900	(†)	15,100	16,300	(†)	21,200	(†)
Bachelor's	15,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	20,200	24,300	20,100	18,200	19,700	16,400	17,500	24,600	14,100	17,900	$25,500	20,800	(†)
Doctorate	22,300	38,500	21,400	(†)	(†)	(†)	23,500	26,800	(†)	25,200	(†)	(†)	(†)
Professional/medical .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	17,900	22,400	15,700	18,300	(†)	(†)	16,700	23,400	14,600	18,100	(†)	18,500	(†)
Bachelor's	17,800	22,100	15,900	(†)	(†)	(†)	(†)	21,000	13,300	16,300	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-21—Con.

Field and highest degree	Total	Business and industry	Educational institutions: 4-year college/ university	Educational institutions: 2-year college	Educational institutions: Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Economists	$22,300	$24,500	$21,100	(†)	(†)	(†)	$23,400	$24,600	$16,700	$21,400	(†)	$23,700	(†)
Doctorate	24,200	41,200	22,000	(†)	(†)	(†)	(†)	25,900	(†)	(†)	(†)	(†)	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	20,800	22,500	18,600	(†)	(†)	(†)	(†)	23,700	(†)	(†)	(†)	(†)	(†)
Bachelor's	19,900	22,200	(†)	(†)	(†)	(†)	(†)	21,200	(†)	(†)	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Sociologists/ anthropologists	19,000	(†)	19,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Doctorate	20,900	(†)	20,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	15,700	(†)	15,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Bachelor's	17,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	18,600	23,600	19,900	(†)	(†)	(†)	16,700	24,700	12,700	17,500	(†)	(†)	(†)
Doctorate	22,000	(†)	21,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Professional/medical	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Master's	16,900	(†)	15,100	(†)	(†)	(†)	16,600	23,900	(†)	17,700	(†)	(†)	(†)
Bachelor's	16,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Associate	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
No degree	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) Less than 20 sample cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-22.–Median annual salaries of scientists and engineers by field, primary work activity, and highest degree: 1974

Field and primary work activity	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Total, all fields	$19,300	$21,900	$24,900	$19,400	$18,800	$16,000	(†)	$16,400
Research and development	18,400	21,200	25,100	18,700	17,600	15,600	(†)	15,700
Basic research	18,900	20,500	(†)	16,500	15,400	(†)	(†)	(†)
Applied research	19,800	21,400	(†)	18,700	18,200	(†)	(†)	(†)
Development/design	18,100	21,600	(†)	18,800	17,600	15,600	(†)	15,600
Management or administration	22,600	26,900	33,200	22,900	21,800	18,800	(†)	18,900
Of R&D	24,700	27,800	(†)	24,600	23,600	(†)	(†)	(†)
Other than R&D	21,200	25,400	(†)	21,500	21,000	18,800	(†)	18,900
Teaching	19,200	20,200	33,900	16,600	15,900	(†)	(†)	(†)
Production/inspection	17,600	18,500	(†)	18,200	17,600	15,700	(†)	16,100
Consulting	19,600	22,100	(†)	19,300	19,200	(†)	(†)	(†)
Other activities	18,000	21,100	(†)	18,700	17,600	16,000	(†)	17,000
Not reported	19,100	23,500	(†)	19,400	18,600	(†)	(†)	(†)
Physical scientists	19,500	21,800	(†)	19,000	17,100	(†)	(†)	(†)
Research and development	19,000	21,000	(†)	18,300	16,300	(†)	(†)	(†)
Basic research	18,800	20,600	(†)	17,600	15,500	(†)	(†)	(†)
Applied research	19,600	21,300	(†)	17,800	16,900	(†)	(†)	(†)
Development/design	18,500	20,900	(†)	18,900	16,100	(†)	(†)	(†)
Management or administration	24,500	28,400	(†)	24,900	20,800	(†)	(†)	(†)
Of R&D	25,600	28,800	(†)	25,900	22,300	(†)	(†)	(†)
Other than R&D	21,700	26,700	(†)	22,200	19,700	(†)	(†)	(†)
Teaching	19,000	19,500	(†)	16,500	(†)	(†)	(†)	(†)
Production/inspection	15,500	17,000	(†)	17,100	15,000	(†)	(†)	(†)
Consulting	20,000	23,900	(†)	16,600	15,700	(†)	(†)	(†)
Other activities	17,600	20,100	(†)	17,500	16,900	(†)	(†)	(†)
Not reported	21,000	21,700	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	18,900	21,500	(†)	17,900	16,500	(†)	(†)	(†)
Research and development	18,200	20,500	(†)	17,300	15,800	(†)	(†)	(†)
Basic research	18,000	19,500	(†)	17,200	15,300	(†)	(†)	(†)
Applied research	19,000	20,900	(†)	16,800	16,400	(†)	(†)	(†)
Development/design	17,700	20,700	(†)	18,300	15,700	(†)	(†)	(†)
Management or administration	23,800	27,300	(†)	23,900	20,300	(†)	(†)	(†)
Of R&D	25,000	27,800	(†)	25,900	21,800	(†)	(†)	(†)
Other than R&D	21,000	21,400	(†)	20,800	18,700	(†)	(†)	(†)
Teaching	19,200	19,600	(†)	15,800	(†)	(†)	(†)	(†)
Production/inspection	15,200	(†)	(†)	16,000	14,800	(†)	(†)	(†)
Consulting	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	16,900	20,500	(†)	17,000	16,200	(†)	(†)	(†)
Not reported	21,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Physicists/astronomers	21,300	22,100	(†)	21,100	19,400	(†)	(†)	(†)
Research and development	20,900	22,000	(†)	20,400	18,400	(†)	(†)	(†)
Basic research	21,300	22,400	(†)	20,400	10,900	(†)	(†)	(†)
Applied research	21,100	21,600	(†)	21,000	19,300	(†)	(†)	(†)
Development/design	20,500	22,000	(†)	20,000	19,100	(†)	(†)	(†)
Management or administration	27,100	32,600	(†)	25,600	22,300	(†)	(†)	(†)
Of R&D	28,900	33,300	(†)	25,700	23,300	(†)	(†)	(†)
Other than R&D	22,700	30,800	(†)	(†)	20,900	(†)	(†)	(†)
Teaching	18,800	19,300	(†)	17,100	(†)	(†)	(†)	(†)
Production/inspection	19,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	21,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	17,900	17,600	(†)	19,500	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	21,700	22,800	(†)	20,500	20,200	(†)	(†)	(†)
Research and development	22,400	22,800	(†)	22,000	20,800	(†)	(†)	(†)
Basic research	22,500	22,300	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,700	24,600	(†)	(†)	20,300	(†)	(†)	(†)
Development/design	21,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	26,100	(†)	(†)	(†)	25,900	(†)	(†)	(†)
Of R&D	27,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	21,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	18,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,800	(†)	(†)	(†)	19,000	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-22–Con.

Field and primary work activity	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Mathematical scientists	$19,800	$21,200	(†)	$18,100	$19,400	(†)	(†)	(†)
Research and development	21,400	23,500	(†)	19,500	17,300	(†)	(†)	(†)
Basic research	22,300	23,500	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	21,700	23,000	(†)	19,700	(†)	(†)	(†)	(†)
Development/design	19,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,200	25,600	(†)	22,400	24,400	(†)	(†)	(†)
Of R&D	25,600	25,900	(†)	24,400	25,700	(†)	(†)	(†)
Other than R&D	23,000	23,900	(†)	21,100	24,100	(†)	(†)	(†)
Teaching	18,000	19,600	(†)	15,400	(†)	(†)	(†)	(†)
Production/inspection	18,300	(†)	(†)	(†)	16,900	(†)	(†)	(†)
Consulting	23,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,500	25,000	(†)	18,900	16,700	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematicians	19,700	20,800	(†)	17,500	20,400	(†)	(†)	(†)
Research and development	21,300	23,400	(†)	19,600	17,400	(†)	(†)	(†)
Basic research	22,100	23,300	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,000	21,900	(†)	19,900	(†)	(†)	(†)	(†)
Development/design	19,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,100	25,900	(†)	22,400	24,300	(†)	(†)	(†)
Of R&D	25,700	(†)	(†)	(†)	25,200	(†)	(†)	(†)
Other than R&D	22,700	23,600	(†)	(†)	24,200	(†)	(†)	(†)
Teaching	17,800	19,600	(†)	15,400	(†)	(†)	(†)	(†)
Production/inspection	16,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	23,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	19,200	(†)	(†)	19,300	18,300	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	20,000	23,400	(†)	19,700	17,100	(†)	(†)	(†)
Research and development	21,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,600	(†)	(†)	22,000	(†)	(†)	(†)	(†)
Of R&D	25,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	23,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,900	20,100	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,000	25,000	(†)	18,700	15,500	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	18,400	22,200	(†)	19,000	18,000	(†)	(†)	(†)
Research and development	19,100	(†)	(†)	20,400	17,400	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	18,800	(†)	(†)	20,500	17,600	(†)	(†)	(†)
Management or administration	20,700	(†)	(†)	22,900	20,100	(†)	(†)	(†)
Of R&D	23,300	(†)	(†)	23,600	22,200	(†)	(†)	(†)
Other than R&D	20,100	(†)	(†)	22,300	19,400	(†)	(†)	(†)
Teaching	18,900	21,700	(†)	(†)	16,200	(†)	(†)	(†)
Production/inspection	19,300	(†)	(†)	(†)	18,800	(†)	(†)	(†)
Consulting	20,000	(†)	(†)	20,700	19,800	(†)	(†)	(†)
Other activities	17,700	21,600	(†)	18,200	17,400	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental scientists	20,100	22,000	(†)	19,600	19,100	(†)	(†)	(†)
Research and development	20,100	21,700	(†)	18,900	18,200	(†)	(†)	(†)
Basic research	20,200	21,000	(†)	20,100	16,300	(†)	(†)	(†)
Applied research	20,200	22,000	(†)	18,800	20,000	(†)	(†)	(†)
Development/design	18,700	(†)	(†)	(†)	17,700	(†)	(†)	(†)
Management or administration	22,900	25,900	(†)	22,900	21,000	(†)	(†)	(†)
Of R&D	25,000	26,500	(†)	24,600	23,600	(†)	(†)	(†)
Other than R&D	21,800	25,600	(†)	22,600	20,600	(†)	(†)	(†)
Teaching	18,900	20,000	(†)	17,400	(†)	(†)	(†)	(†)
Production/inspection	19,200	(†)	(†)	19,900	19,100	(†)	(†)	(†)
Consulting	20,100	(†)	(†)	21,000	18,800	(†)	(†)	(†)
Other activities	18,700	20,000	(†)	18,500	18,500	(†)	(†)	(†)
Not reported	18,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-22—Con.

Field and primary work activity	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Earth scientists	$19,700	$21,700	(†)	$19,300	$18,700	(†)	(†)	(†)
Research and development	19,700	21,400	(†)	18,500	17,900	(†)	(†)	(†)
Basic research	20,300	21,000	(†)	20,100	15,400	(†)	(†)	(†)
Applied research	19,500	21,600	(†)	18,600	19,500	(†)	(†)	(†)
Development/design	17,900	(†)	(†)	(†)	17,700	(†)	(†)	(†)
Management or administration	22,600	25,600	(†)	23,600	20,800	(†)	(†)	(†)
Of R&D	24,500	25,500	(†)	24,400	23,400	(†)	(†)	(†)
Other than R&D	21,600	25,700	(†)	22,900	20,300	(†)	(†)	(†)
Teaching	18,800	19,900	(†)	17,500	(†)	(†)	(†)	(†)
Production/inspection	18,700	(†)	(†)	19,300	18,500	(†)	(†)	(†)
Consulting	20,100	(†)	(†)	21,100	18,900	(†)	(†)	(†)
Other activities	18,500	19,800	(†)	18,300	18,300	(†)	(†)	(†)
Not reported	18,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	20,700	21,500	(†)	19,600	(†)	(†)	(†)	(†)
Research and development	19,600	21,200	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	22,300	26,900	(†)	21,100	21,900	(†)	(†)	(†)
Research and development	22,800	26,400	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	23,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	22,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	23,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	19,800	(†)	(†)	(†)	19,700	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	19,400	23,200	$20,200	20,100	19,100	$16,000	(†)	$16,400
Research and development	18,300	22,000	(†)	18,900	17,900	15,600	(†)	15,700
Basic research	19,400	21,700	(†)	17,800	18,500	(†)	(†)	(†)
Applied research	20,400	22,000	(†)	19,800	19,300	(†)	(†)	(†)
Development/design	18,100	21,900	(†)	18,800	17,800	15,600	(†)	15,600
Management or administration	22,600	27,500	(†)	23,600	22,200	18,800	(†)	18,900
Of R&D	24,600	28,000	(†)	24,800	24,000	(†)	(†)	(†)
Other than R&D	21,600	25,400	(†)	22,200	21,500	18,800	(†)	18,900
Teaching	20,400	22,600	(†)	19,300	16,600	(†)	(†)	(†)
Production/inspection	17,800	(†)	(†)	18,400	17,900	15,700	(†)	16,100
Consulting	20,000	23,100	(†)	20,400	19,700	(†)	(†)	(†)
Other activities	18,300	21,600	(†)	19,400	17,900	16,000	(†)	17,000
Not reported	18,900	(†)	(†)	20,400	18,800	(†)	(†)	(†)
Life scientists	17,800	20,300	32,400	15,500	15,800	(†)	(†)	(†)
Research and development	17,900	19,500	(†)	13,900	14,100	(†)	(†)	(†)
Basic research	17,700	19,500	(†)	13,100	12,900	(†)	(†)	(†)
Applied research	18,000	19,500	(†)	14,300	15,300	(†)	(†)	(†)
Development/design	18,200	21,800	(†)	(†)	13,800	(†)	(†)	(†)
Management or administration	19,000	25,600	(†)	18,500	16,700	(†)	(†)	(†)
Of R&D	22,400	25,600	(†)	18,500	17,900	(†)	(†)	(†)
Other than R&D	17,700	25,600	(†)	18,600	16,600	(†)	(†)	(†)
Teaching	18,500	19,700	34,500	15,100	12,800	(†)	(†)	(†)
Production/inspection	15,900	(†)	(†)	12,900	16,400	(†)	(†)	(†)
Consulting	16,000	19,200	(†)	16,500	14,600	(†)	(†)	(†)
Other activities	15,200	18,300	(†)	14,700	14,200	(†)	(†)	(†)
Not reported	17,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-22–Con.

Field and primary work activity	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Biological scientists	$17,900	$19,900	(†)	$14,400	$14,600	(†)	(†)	(†)
Research and development	17,300	19,200	(†)	13,700	13,000	(†)	(†)	(†)
Basic research	16,800	19,000	(†)	13,000	12,700	(†)	(†)	(†)
Applied research	17,700	19,000	(†)	14,900	16,200	(†)	(†)	(†)
Development/design	18,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	21,300	24,900	(†)	17,800	16,000	(†)	(†)	(†)
Of R&D	22,500	24,900	(†)	18,400	13,900	(†)	(†)	(†)
Other than R&D	19,500	24,700	(†)	15,500	16,500	(†)	(†)	(†)
Teaching	18,200	19,400	(†)	14,000	(†)	(†)	(†)	(†)
Production/inspection	14,900	(†)	(†)	13,700	15,300	(†)	(†)	(†)
Consulting	14,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	14,400	18,600	(†)	13,100	13,500	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists	17,100	20,600	(†)	16,600	16,300	(†)	(†)	(†)
Research and development	18,000	19,900	(†)	14,300	15,900	(†)	(†)	(†)
Basic research	18,600	20,600	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	18,100	19,500	(†)	14,200	15,900	(†)	(†)	(†)
Development/design	16,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	17,800	26,400	(†)	18,700	16,800	(†)	(†)	(†)
Of R&D	21,100	26,400	(†)	18,400	19,900	(†)	(†)	(†)
Other than R&D	17,100	(†)	(†)	18,800	16,600	(†)	(†)	(†)
Teaching	18,200	20,300	(†)	15,800	(†)	(†)	(†)	(†)
Production/inspection	16,500	(†)	(†)	(†)	16,800	(†)	(†)	(†)
Consulting	16,400	(†)	(†)	18,100	15,000	(†)	(†)	(†)
Other activities	15,100	(†)	(†)	15,200	14,700	(†)	(†)	(†)
Not reported	13,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	19,700	21,000	$34,000	16,900	14,000	(†)	(†)	(†)
Research and development	18,800	20,700	(†)	(†)	14,300	(†)	(†)	(†)
Basic research	18,900	20,300	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	18,800	22,600	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,300	25,300	(†)	20,500	(†)	(†)	(†)	(†)
Of R&D	25,000	25,500	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	20,100	20,400	34,500	16,200	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	15,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	19,400	21,100	(†)	17,100	15,800	(†)	(†)	(†)
Research and development	19,500	21,100	(†)	14,900	(†)	(†)	(†)	(†)
Basic research	19,400	22,200	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	19,400	21,900	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	22,200	23,800	(†)	17,300	(†)	(†)	(†)	(†)
Of R&D	25,400	27,800	(†)	17,000	(†)	(†)	(†)	(†)
Other than R&D	20,700	22,500	(†)	17,400	(†)	(†)	(†)	(†)
Teaching	18,700	19,600	(†)	15,900	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	19,100	20,900	(†)	17,900	15,300	(†)	(†)	(†)
Other activities	17,700	23,200	(†)	14,100	(†)	(†)	(†)	(†)
Not reported	23,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	20,200	22,300	(†)	17,900	17,800	(†)	(†)	(†)
Research and development	20,200	22,500	(†)	18,300	16,100	(†)	(†)	(†)
Basic research	18,900	21,700	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	21,100	22,900	(†)	18,900	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	23,100	26,900	(†)	19,000	20,700	(†)	(†)	(†)
Of R&D	24,900	27,400	(†)	23,400	22,400	(†)	(†)	(†)
Other than R&D	21,200	26,400	(†)	18,200	20,400	(†)	(†)	(†)
Teaching	19,800	21,000	(†)	16,200	15,800	(†)	(†)	(†)
Production/inspection	20,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	17,700	(†)	(†)	15,700	(†)	(†)	(†)	(†)
Other activities	17,900	22,600	(†)	18,200	16,600	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-22–Con.

Field and primary work activity	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other	No degree
Economists	$22,300	$24,200	(†)	$20,800	$19,900	(†)	(†)	(†)
Research and development	22,000	23,400	(†)	19,800	(†)	(†)	(†)	(†)
Basic research	20,700	22,600	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,700	23,600	(†)	22,500	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	25,400	31,600	(†)	23,700	23,600	(†)	(†)	(†)
Of R&D	28,100	31,600	(†)	25,300	27,300	(†)	(†)	(†)
Other than R&D	24,500	31,600	(†)	19,500	20,800	(†)	(†)	(†)
Teaching	20,800	21,600	(†)	18,700	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	32,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	20,900	25,400	(†)	21,300	18,800	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Sociologists/anthropologists	19,000	20,900	(†)	15,700	17,500	(†)	(†)	(†)
Research and development	18,400	21,000	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	18,500	23,300	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	21,100	25,600	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	17,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	21,900	24,900	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	18,900	20,000	(†)	15,200	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	16,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	18,600	22,000	(†)	16,900	16,100	(†)	(†)	(†)
Research and development	18,100	18,900	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	16,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	19,900	25,000	(†)	18,300	20,100	(†)	(†)	(†)
Of R&D	20,600	(†)	(†)	24,500	(†)	(†)	(†)	(†)
Other than R&D	19,300	25,700	(†)	18,000	20,000	(†)	(†)	(†)
Teaching	19,800	21,100	(†)	16,100	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	14,200	(†)	(†)	13,000	(†)	(†)	(†)	(†)
Other activities	14,400	(†)	(†)	15,300	9,700	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) Less than 20 sample cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-23.—Median annual salaries of scientists and engineers by field, primary work activity, and type of employer: 1974

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Total, all fields	$19,300	$19,000	$19,400	$17,400	$19,000	$17,500	$20,100	$21,700	$16,400	$18,900	$19,400	$19,600	$25,100
Research and development	18,400	18,100	17,400	(†)	21,600	15,400	19,900	20,600	16,000	18,200	17,600	18,900	(†)
Basic research	18,900	19,200	17,300	(†)	(†)	16,100	19,500	20,900	17,100	18,600	(†)	19,900	(†)
Applied research	19,800	19,600	18,200	(†)	(†)	(†)	21,200	21,800	17,100	21,100	19,300	19,500	(†)
Development/design	18,100	18,000	15,800	(†)	(†)	(†)	18,800	20,200	15,700	17,500	17,200	18,500	(†)
Management or administration	22,600	22,500	23,400	20,400	23,100	19,000	24,300	24,600	18,000	21,000	24,300	22,800	(†)
Of R&D	24,700	24,400	23,000	(†)	(†)	19,400	25,900	26,300	18,100	24,500	24,900	24,600	(†)
Other than R&D	21,200	21,400	23,700	20,200	21,600	18,900	20,500	22,700	18,000	20,400	24,200	20,900	(†)
Teaching	19,200	18,200	19,600	17,000	17,000	21,400	(†)	18,600	17,100	(†)	(†)	(†)	(†)
Production/inspection	17,600	17,500	(†)	(†)	(†)	(†)	17,600	19,800	15,900	17,700	18,000	16,700	(†)
Consulting	19,600	20,000	16,900	(†)	19,600	16,900	19,600	21,300	15,900	18,200	20,400	20,800	(†)
Other Activities	18,000	17,800	16,000	(†)	14,700	18,500	17,400	20,200	15,100	17,600	19,000	18,200	(†)
Not reported	19,100	18,800	22,700	(†)	(†)	(†)	(†)	20,400	13,800	19,900	(†)	20,100	25,100
Physical scientists	19,500	19,700	18,700	17,600	(†)	18,300	21,400	21,700	15,600	18,200	18,200	19,500	(†)
Research and development	19,000	19,000	15,300	(†)	(†)	(†)	19,400	21,300	18,500	20,100	(†)	19,300	(†)
Basic research	18,800	19,300	15,300	(†)	(†)	(†)	19,700	22,200	18,500	(†)	(†)	21,100	(†)
Applied research	19,600	19,600	15,600	(†)	(†)	(†)	18,600	21,200	(†)	(†)	(†)	19,100	(†)
Development/design	18,500	18,300	(†)	(†)	(†)	(†)	(†)	20,300	(†)	(†)	(†)	18,000	(†)
Management or administration	24,500	24,100	26,300	(†)	(†)	(†)	25,800	26,000	(†)	25,600	(†)	24,300	(†)
Of R&D	25,600	25,500	25,700	(†)	(†)	(†)	27,000	28,400	(†)	(†)	(†)	25,000	(†)
Other than R&D	21,700	20,400	27,000	(†)	(†)	(†)	(†)	23,500	(†)	(†)	(†)	21,600	(†)
Teaching	19,000	(†)	19,300	17,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	15,500	15,500	(†)	(†)	(†)	(†)	(†)	17,800	12,700	15,100	(†)	15,400	(†)
Consulting	20,000	20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	17,600	18,100	(†)	(†)	(†)	(†)	(†)	19,500	(†)	17,400	(†)	16,900	(†)
Not reported	21,000	20,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	18,900	19,000	18,700	17,700	(†)	17,700	18,300	20,300	14,300	16,500	18,300	18,400	(†)
Research and development	18,200	18,400	15,000	(†)	(†)	(†)	15,400	20,400	(†)	(†)	(†)	18,200	(†)
Basic research	18,000	18,700	14,600	(†)	(†)	(†)	14,400	20,600	(†)	(†)	(†)	20,000	(†)
Applied research	19,000	19,300	(†)	(†)	(†)	(†)	(†)	20,400	(†)	(†)	(†)	17,800	(†)
Development/design	17,700	17,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16,800	(†)
Management or administration	23,800	24,000	27,500	(†)	(†)	(†)	(†)	25,400	(†)	(†)	(†)	21,100	(†)
Of R&D	25,000	25,100	(†)	(†)	(†)	(†)	(†)	28,200	(†)	(†)	(†)	22,200	(†)
Other than R&D	21,000	20,000	27,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,200	(†)	19,500	17,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	15,200	15,200	(†)	(†)	(†)	(†)	(†)	(†)	12,600	14,500	(†)	15,400	(†)
Consulting	20,600	20,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	16,900	17,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	21,200	19,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-23—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Physicists/astronomers	$ 21,300	$ 22,300	$ 18,500	$ 17,400	(†)	(†)	$ 23,500	$ 22,600	$ 18,900	(†)	(†)	$ 21,900	(†)
Research and development	20,900	21,400	15,700	(†)	(†)	(†)	22,600	22,200	18,600	(†)	(†)	21,000	(†)
Basic research	21,300	(†)	16,000	(†)	(†)	(†)	22,900	24,200	(†)	(†)	(†)	(†)	(†)
Applied research	21,100	21,000	(†)	(†)	(†)	(†)	22,500	22,000	(†)	(†)	(†)	21,000	(†)
Development/design	20,500	20,600	(†)	(†)	(†)	(†)	(†)	20,000	(†)	(†)	(†)	(†)	(†)
Management or administration	27,100	25,100	25,400	(†)	(†)	(†)	32,400	25,900	(†)	(†)	(†)	28,400	(†)
Of R&D	28,900	28,600	(†)	(†)	(†)	(†)	33,000	28,400	(†)	(†)	(†)	27,800	(†)
Other than R&D	22,700	20,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	18,800	(†)	18,900	17,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	19,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	21,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	17,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	21,700	21,600	18,000	(†)	(†)	(†)	(†)	23,900	(†)	$ 20,000	(†)	22,600	(†)
Research and development	22,400	24,200	(†)	(†)	(†)	(†)	(†)	22,300	(†)	(†)	(†)	22,600	(†)
Basic research	22,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,700	(†)	(†)	(†)	(†)	(†)	(†)	23,500	(†)	(†)	(†)	(†)	(†)
Development/design	21,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	26,100	(†)	(†)	(†)	(†)	(†)	(†)	30,900	(†)	(†)	(†)	(†)	(†)
Of R&D	27,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	21,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	18,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	19,800	20,700	19,400	16,000	(†)	(†)	23,100	21,700	15,000	17,000	(†)	20,700	(†)
Research and development	21,400	22,700	22,600	(†)	(†)	(†)	(†)	20,600	(†)	(†)	(†)	18,000	(†)
Basic research	22,300	(†)	22,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	21,700	(†)	(†)	(†)	(†)	(†)	(†)	22,200	(†)	(†)	(†)	(†)	(†)
Development/design	19,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,200	24,400	22,500	(†)	(†)	(†)	(†)	25,500	(†)	(†)	(†)	(†)	(†)
Of R&D	25,600	27,700	(†)	(†)	(†)	(†)	(†)	26,100	(†)	(†)	(†)	(†)	(†)
Other than R&D	23,000	24,000	22,500	(†)	(†)	(†)	(†)	24,600	(†)	(†)	(†)	(†)	(†)
Teaching	18,000	(†)	18,600	16,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	18,300	18,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	23,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,500	18,900	(†)	(†)	(†)	(†)	(†)	20,300	13,800	17,400	(†)	18,700	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-23—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Mathematicians	$19,700	$21,800	$19,200	$16,000	(†)	(†)	$23,900	$20,900	(†)	$16,800	(†)	$20,200	(†)
Research and development	21,300	(†)	22,500	(†)	(†)	(†)	(†)	20,300	(†)	(†)	(†)	(†)	(†)
Basic research	22,100	(†)	22,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,000	(†)	(†)	(†)	(†)	(†)	(†)	20,900	(†)	(†)	(†)	(†)	(†)
Development/design	19,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,100	24,300	22,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	25,700	27,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	22,700	24,100	22,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	17,800	(†)	18,300	16,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	16,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	23,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	19,100	19,400	(†)	(†)	(†)	(†)	(†)	20,200	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	20,000	20,200	20,200	(†)	(†)	(†)	(†)	23,200	$14,200	17,400	(†)	21,800	(†)
Research and development	21,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,600	(†)	(†)	(†)	(†)	(†)	(†)	25,000	(†)	(†)	(†)	(†)	(†)
Of R&D	25,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	23,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,900	(†)	20,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,000	18,200	(†)	(†)	(†)	(†)	(†)	21,300	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	18,400	18,200	17,000	(†)	(†)	(†)	17,800	20,900	15,700	18,300	$19,500	19,300	(†)
Research and development	19,100	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	18,800	18,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	20,700	19,800	(†)	(†)	(†)	(†)	(†)	28,000	(†)	(†)	(†)	25,600	(†)
Of R&D	23,300	21,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,100	19,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	23,400	(†)
Teaching	18,900	(†)	20,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	19,300	20,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	20,000	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	20,000	(†)
Other activities	17,700	17,400	14,600	(†)	(†)	(†)	16,800	20,400	15,200	17,700	19,500	18,300	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-23—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Nonprofit organization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Environmental scientists	$ 20,100	$ 20,200	$ 19,300	$ 18,100	(†)	(†)	(†)	$ 21,400	$ 14,900	$ 19,600	$ 20,800	$ 19,300	(†)
Research and development	20,100	18,600	15,400	(†)	(†)	(†)	(†)	22,700	(†)	21,000	(†)	20,200	(†)
Basic research	20,200	(†)	15,000	(†)	(†)	(†)	(†)	22,700	(†)	(†)	(†)	(†)	(†)
Applied research	20,200	19,600	(†)	(†)	(†)	(†)	(†)	23,200	(†)	(†)	(†)	20,600	(†)
Development/design	18,700	18,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	22,900	23,100	25,300	(†)	(†)	(†)	(†)	27,300	(†)	22,400	(†)	15,300	(†)
Of R&D	25,000	24,100	(†)	(†)	(†)	(†)	(†)	28,600	(†)	(†)	(†)	(†)	(†)
Other than R&D	21,800	22,800	(†)	(†)	(†)	(†)	(†)	24,400	(†)	(†)	(†)	(†)	(†)
Teaching	18,900	(†)	19,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	19,200	18,600	(†)	(†)	(†)	(†)	(†)	20,000	(†)	(†)	(†)	(†)	(†)
Consulting	20,100	20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,700	19,000	(†)	(†)	(†)	(†)	(†)	18,900	(†)	18,700	(†)	20,400	(†)
Not reported	18,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Earth scientists	19,700	20,200	18,800	18,100	(†)	(†)	(†)	20,600	14,700	18,900	20,800	18,800	(†)
Research and development	19,700	18,400	13,200	(†)	(†)	(†)	(†)	22,400	(†)	(†)	(†)	20,600	(†)
Basic research	20,300	(†)	(†)	(†)	(†)	(†)	(†)	22,400	(†)	(†)	(†)	(†)	(†)
Applied research	19,500	19,000	(†)	(†)	(†)	(†)	(†)	23,300	(†)	(†)	(†)	21,000	(†)
Development/design	17,900	18,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	22,600	23,600	21,900	(†)	(†)	(†)	(†)	28,700	(†)	(†)	(†)	15,300	(†)
Of R&D	24,500	24,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	21,600	23,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	18,800	(†)	19,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	18,700	18,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	20,100	20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,500	19,100	(†)	(†)	(†)	(†)	(†)	17,500	(†)	(†)	(†)	18,800	(†)
Not reported	18,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	20,700	(†)	21,400	(†)	(†)	(†)	(†)	22,100	(†)	(†)	(†)	(†)	(†)
Research and development	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-23—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Atmospheric scientists	$22,300	(†)	$20,900	(†)	(†)	(†)	(†)	$22,800	(†)	(†)	(†)	(†)	(†)
Research and development ...	22,800	(†)	(†)	(†)	(†)	(†)	(†)	23,400	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	23,800	(†)	(†)	(†)	(†)	(†)	(†)	27,400	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	22,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	23,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	19,800	(†)	(†)	(†)	(†)	(†)	(†)	20,000	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	19,400	$19,000	20,800	$18,500	$19,700	(†)	$20,700	22,300	$17,400	$19,400	$19,300	$19,700	(†)
Research and development ...	18,300	18,000	18,100	(†)	(†)	(†)	20,400	20,500	15,900	17,900	17,700	18,900	(†)
Basic research	19,400	19,000	(†)	(†)	(†)	(†)	(†)	20,700	(†)	(†)	(†)	(†)	(†)
Applied research	20,400	19,600	19,600	(†)	(†)	(†)	21,600	22,600	(†)	(†)	(†)	20,100	(†)
Development/design	18,100	17,900	15,800	(†)	(†)	(†)	18,800	20,200	15,600	17,500	17,300	18,600	(†)
Management or administration	22,600	22,400	23,600	(†)	(†)	(†)	23,900	24,800	18,700	21,100	24,300	22,900	(†)
Of R&D	24,600	24,200	23,000	(†)	(†)	(†)	25,400	26,000	19,300	24,900	25,500	24,200	(†)
Other than R&D	21,600	21,600	24,100	(†)	(†)	(†)	22,100	23,800	18,700	20,400	24,100	21,200	(†)
Teaching	20,400	18,900	22,100	18,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	17,800	17,600	(†)	(†)	(†)	(†)	18,200	20,600	16,800	18,300	18,200	17,700	(†)
Consulting	20,000	19,800	(†)	(†)	(†)	(†)	21,900	22,400	16,800	19,200	20,200	20,400	(†)
Other activities	18,300	17,900	(†)	(†)	(†)	(†)	18,300	20,800	15,900	18,100	18,700	18,200	(†)
Not reported	18,900	18,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Life scientists	17,800	18,300	19,200	16,500	13,600	15,200	15,600	17,700	13,900	15,000	(†)	17,000	(†)
Research and development ...	17,900	18,200	17,500	(†)	(†)	12,900	14,700	19,600	14,300	(†)	(†)	17,200	(†)
Basic research	17,700	(†)	17,700	(†)	(†)	(†)	16,300	19,700	16,600	(†)	(†)	14,200	(†)
Applied research	18,000	16,500	17,500	(†)	(†)	(†)	(†)	19,600	13,800	(†)	(†)	18,100	(†)
Development/design	18,200	18,200	(†)	(†)	(†)	(†)	(†)	(†)	†()	(†)	(†)	(†)	(†)
Management or administration	19,000	20,200	24,800	(†)	(†)	(†)	(†)	18,200	14,300	18,000	(†)	19,200	(†)
Of R&D	22,400	20,700	24,600	(†)	(†)	(†)	(†)	25,900	14,500	(†)	(†)	22,900	(†)
Other than R&D	17,700	18,700	25,000	(†)	(†)	(†)	(†)	17,100	14,200	17,900	(†)	(†)	(†)
Teaching	18,500	(†)	19,400	16,000	12,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	15,900	16,900	(†)	(†)	(†)	(†)	(†)	16,100	(†)	(†)	(†)	16,600	(†)
Consulting	16,000	18,400	(†)	(†)	(†)	(†)	(†)	17,200	13,100	(†)	(†)	(†)	(†)
Other activities	15,200	14,200	17,400	(†)	(†)	(†)	(†)	15,900	12,200	12,500	(†)	(†)	(†)
Not reported	17,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-23–Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Biological scientists	$17,900	$18,900	$19,000	$15,700	$13,400	(†)	$16,000	$18,800	$14,100	$15,400	(†)	$16,800	(†)
Research and development	17,300	18,800	16,900	(†)	(†)	(†)	14,000	18,900	14,000	(†)	(†)	18,100	(†)
Basic research	16,800	(†)	16,600	(†)	(†)	(†)	14,700	18,900	(†)	(†)	(†)	(†)	(†)
Applied research	17,700	(†)	17,600	(†)	(†)	(†)	(†)	19,000	13,600	(†)	(†)	18,400	(†)
Development/design	18,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	21,300	21,200	24,300	(†)	(†)	(†)	(†)	24,900	14,400	(†)	(†)	21,600	(†)
Of R&D	22,500	(†)	24,100	(†)	(†)	(†)	(†)	26,700	15,000	(†)	(†)	(†)	(†)
Other than R&D	19,500	22,700	24,700	(†)	(†)	(†)	(†)	(†)	14,200	(†)	(†)	(†)	(†)
Teaching	18,200	(†)	19,100	15,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	14,900	15,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14,400	(†)
Consulting	14,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	14,400	(†)	(†)	(†)	(†)	(†)	(†)	16,700	11,600	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists	17,100	17,900	18,600	(†)	(†)	(†)	(†)	17,100	13,400	14,700	(†)	20,100	(†)
Research and development	18,000	17,000	17,000	(†)	(†)	(†)	(†)	20,100	16,000	(†)	(†)	(†)	(†)
Basic research	18,600	(†)	17,100	(†)	(†)	(†)	(†)	21,000	(†)	(†)	(†)	(†)	(†)
Applied research	18,100	16,300	16,900	(†)	(†)	(†)	(†)	21,000	14,400	(†)	(†)	(†)	(†)
Development/design	16,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	17,800	18,600	25,000	(†)	(†)	(†)	(†)	17,300	13,800	(†)	(†)	(†)	(†)
Of R&D	21,100	20,400	(†)	(†)	(†)	(†)	(†)	21,600	12,300	(†)	(†)	(†)	(†)
Other than R&D	17,100	18,300	(†)	(†)	(†)	(†)	(†)	17,000	14,200	(†)	(†)	(†)	(†)
Teaching	18,200	(†)	18,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	16,500	17,100	(†)	(†)	(†)	(†)	(†)	16,100	(†)	(†)	(†)	(†)	(†)
Consulting	16,400	18,400	(†)	(†)	(†)	(†)	(†)	17,200	12,100	(†)	(†)	(†)	(†)
Other activities	15,100	13,500	(†)	(†)	(†)	(†)	(†)	16,000	(†)	(†)	(†)	(†)	(†)
Not reported	13,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	19,700	(†)	20,700	(†)	(†)	$15,700	(†)	25,000	(†)	(†)	(†)	17,600	(†)
Research and development	18,800	(†)	19,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	18,900	(†)	19,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	18,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,300	(†)	25,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	25,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	20,100	(†)	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	15,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-23—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Psychologists	$ 19,400	$ 19,600	$ 19,300	$ 18,300	$ 19,400	$ 18,300	$ 21,300	$ 22,700	$ 17,700	$ 18,400	(†)	$ 25,700	(†)
Research and development	19,500	(†)	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	19,400	(†)	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	19,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	22,200	(†)	20,400	(†)	22,500	18,500	31,400	27,500	(†)	(†)	(†)	(†)	(†)
Of R&D	25,400	(†)	19,600	(†)	(†)	(†)	(†)	27,800	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,700	(†)	21,400	(†)	22,200	18,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	18,700	(†)	18,900	17,300	18,400	22,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	19,100	(†)	16,000	(†)	19,500	17,000	17,000	(†)	17,900	18,600	(†)	27,600	(†)
Other activities	17,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	23,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	20,200	24,300	20,100	18,200	19,700	16,400	17,500	24,600	14,100	17,900	$ 25,500	20,800	(†)
Research and development	20,200	(†)	19,900	(†)	(†)	(†)	20,000	20,900	(†)	(†)	(†)	(†)	(†)
Basic research	18,900	(†)	20,300	(†)	(†)	(†)	(†)	19,700	(†)	(†)	(†)	(†)	(†)
Applied research	21,100	(†)	19,900	(†)	(†)	(†)	(†)	24,300	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	23,100	24,900	23,200	(†)	(†)	(†)	17,600	26,600	(†)	20,700	(†)	(†)	(†)
Of R&D	24,900	(†)	19,600	(†)	(†)	(†)	(†)	28,600	(†)	(†)	(†)	(†)	(†)
Other than R&D	21,200	25,100	25,000	(†)	(†)	(†)	(†)	24,700	(†)	(†)	(†)	(†)	(†)
Teaching	19,800	(†)	20,000	17,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	20,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	17,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	17,900	21,800	17,000	(†)	(†)	(†)	(†)	22,600	12,500	16,900	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Economists	22,300	24,500	21,100	(†)	(†)	(†)	23,400	24,600	16,700	21,400	(†)	23,700	(†)
Research and development	22,000	(†)	22,500	(†)	(†)	(†)	(†)	21,400	(†)	(†)	(†)	(†)	(†)
Basic research	20,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,700	(†)	22,300	(†)	(†)	(†)	(†)	25,200	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	25,400	24,400	23,000	(†)	(†)	(†)	(†)	28,700	(†)	(†)	(†)	(†)	(†)
Of R&D	28,100	(†)	(†)	(†)	(†)	(†)	(†)	32,000	(†)	(†)	(†)	(†)	(†)
Other than R&D	24,500	24,600	20,200	(†)	(†)	(†)	(†)	24,600	(†)	(†)	(†)	(†)	(†)
Teaching	20,800	(†)	20,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	32,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	20,900	24,600	(†)	(†)	(†)	(†)	(†)	22,900	(†)	17,500	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-23–Con.

Field and primary work activity	Total	Business and industry	Educational institutions: 4-year college/ university	Educational institutions: 2-year college	Educational institutions: Other	Hospital/ clinic	Non-profit organization	Federal Government	State government	Local government	Other government	Other	No report
Sociologists/anthropologists . . .	$ 19,000	(†)	$ 19,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development . . .	18,400	(†)	18,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	18,500	(†)	18,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	21,100	(†)	23,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	17,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	21,900	(†)	24,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	18,900	(†)	19,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	16,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	$ 18,600	$ 23,600	$ 19,900	(†)	(†)	(†)	$ 16,700	$ 24,700	$ 12,700	$ 17,500	(†)	(†)	(†)
Research and development . . .	18,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	16,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	19,900	(†)	22,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	19,300	(†)	25,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,800	(†)	20,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	14,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	14,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) Less than 20 sample cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-24.—Median annual salaries of doctorate scientists and engineers by field, primary work activity, and type of employer: 1974

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Total, all fields	$21,900	$23,700	$20,500	$17,900	$21,800	$20,300	$22,900	$24,300	$19,400	$22,000	$22,700	$23,600	(†)
Research and development	21,200	21,800	19,000	(†)	(†)	16,500	22,000	22,500	18,700	21,700	(†)	22,100	(†)
Basic research	20,500	22,700	18,900	(†)	(†)	(†)	20,900	22,900	19,500	(†)	(†)	22,700	(†)
Applied research	21,400	21,500	19,500	(†)	(†)	(†)	23,000	22,400	18,100	(†)	(†)	22,000	(†)
Development/design	21,600	21,900	(†)	(†)	(†)	(†)	(†)	21,500	(†)	(†)	(†)	21,400	(†)
Management or administration	26,900	28,000	25,600	(†)	24,000	20,600	29,400	29,000	24,300	25,800	(†)	27,800	(†)
Of R&D	27,800	28,300	25,600	(†)	(†)	(†)	29,900	30,300	26,100	25,600	(†)	27,800	(†)
Other than R&D	25,400	26,400	25,700	(†)	(†)	20,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	20,200	(†)	20,300	17,300	21,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	18,500	18,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	22,100	23,300	19,200	(†)	21,300	20,300	22,000	23,800	(†)	(†)	(†)	24,900	(†)
Other activities	21,100	21,500	18,900	(†)	(†)	(†)	22,300	23,000	(†)	(†)	(†)	22,000	(†)
Not reported	23,500	(†)	23,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Physical scientists	21,800	23,900	19,300	18,400	(†)	18,600	22,400	23,600	18,300	27,100	(†)	22,600	(†)
Research and development	21,000	21,800	16,900	(†)	(†)	(†)	20,700	22,600	20,200	(†)	(†)	22,100	(†)
Basic research	20,600	22,600	17,000	(†)	(†)	(†)	20,900	24,700	(†)	(†)	(†)	22,600	(†)
Applied research	21,300	21,500	17,300	(†)	(†)	(†)	21,200	22,200	(†)	(†)	(†)	22,000	(†)
Development/design	20,900	21,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	20,800	(†)
Management or administration	28,400	28,600	27,300	(†)	(†)	(†)	26,700	31,000	(†)	(†)	(†)	28,300	(†)
Of R&D	28,800	30,200	25,900	(†)	(†)	(†)	26,700	31,800	(†)	(†)	(†)	27,700	(†)
Other than R&D	26,700	(†)	27,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,500	(†)	19,600	18,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	17,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	23,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	20,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	21,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	21,500	23,600	19,400	(†)	(†)	(†)	20,000	25,000	(†)	(†)	(†)	22,300	(†)
Research and development	20,400	21,200	17,000	(†)	(†)	(†)	18,300	22,500	(†)	(†)	(†)	21,600	(†)
Basic research	19,500	22,100	16,700	(†)	(†)	(†)	18,300	25,200	(†)	(†)	(†)	22,400	(†)
Applied research	20,900	21,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	22,300	(†)
Development/design	20,700	20,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	27.300	28,400	27,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	25,000	(†)
Of R&D	27,800	30,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	24,800	(†)
Other than R&D	26,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,600	(†)	19,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-24—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Physicists/astronomers	$22,100	$24,600	$19,100	(†)	(†)	(†)	$24,000	$23,400	$19,900	(†)	(†)	$23,600	(†)
Research and development	22,000	23,300	16,900	(†)	(†)	(†)	23,200	22,800	(†)	(†)	(†)	21,700	(†)
Basic research	22,400	(†)	17,500	(†)	(†)	(†)	23,300	24,700	(†)	(†)	(†)	(†)	(†)
Applied research	21,600	21,600	(†)	(†)	(†)	(†)	23,600	22,100	(†)	(†)	(†)	21,500	(†)
Development/design	22,000	23,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	32,600	34,300	26,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	33,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	30,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,300	(†)	19,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	17,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	22,800	(†)	20,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	24,500	(†)
Research and development	22,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	22,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	24,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	21,200	25,000	20,500	(†)	(†)	(†)	(†)	25,800	(†)	(†)	(†)	30,100	(†)
Research and development	23,500	(†)	23,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	23,500	(†)	23,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	23,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	25,500	(†)	25,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	25,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	23,900	(†)	23,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,600	(†)	19,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	25,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-24—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Mathematicians	$20,800	(†)	$20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	$30,100	(†)
Research and development	23,400	(†)	22,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	23,300	(†)	23,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	21,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	25,900	(†)	25,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	23,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,600	(†)	19,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	23,400	(†)	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	20,100	(†)	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	25,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	22,200	26,000	21,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	21,700	(†)	21,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	21,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-24–Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Environmental scientists	$22,000	$22,800	$21,300	(†)	(†)	(†)	(†)	$25,900	(†)	$21,300	(†)	(†)	(†)
Research and development	21,700	22,200	20,000	(†)	(†)	(†)	(†)	25,600	(†)	(†)	(†)	(†)	(†)
Basic research	21,000	(†)	20,300	(†)	(†)	(†)	(†)	23,900	(†)	(†)	(†)	(†)	(†)
Applied research	22,000	22,200	(†)	(†)	(†)	(†)	(†)	26,000	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management of administration	25,900	(†)	26,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	26,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	25,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	20,000	(†)	20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	20,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Earth scientists	21,700	22,400	21,100	(†)	(†)	(†)	(†)	25,600	(†)	(†)	(†)	(†)	(†)
Research and development	21,400	21,400	(†)	(†)	(†)	(†)	(†)	25,700	(†)	(†)	(†)	(†)	(†)
Basic research	21,000	(†)	(†)	(†)	(†)	(†)	(†)	23,700	(†)	(†)	(†)	(†)	(†)
Applied research	21,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	25,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	25,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	25,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,900	(†)	20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	19,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	21,500	(†)	22,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development	21,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-24—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Nonprofit organization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Atmospheric scientists	$26,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development	26,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	$23,200	$23,400	$22,900	(†)	(†)	†()	$22,600	$23,400	(†)	(†)	(†)	$24,800	(†)
Research and development	22,000	21,700	20,700	(†)	(†)	(†)	22,200	22,500	(†)	(†)	(†)	22,400	(†)
Basic research	21,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,000	21,200	(†)	(†)	(†)	(†)	22,600	22,100	(†)	(†)	(†)	22,900	(†)
Development/design	21,900	21,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	27,500	27,000	27,600	(†)	(†)	(†)	(†)	28,300	(†)	(†)	(†)	28,900	(†)
Of R&D	28,000	27,400	(†)	(†)	(†)	(†)	(†)	28,700	(†)	(†)	(†)	30,900	(†)
Other than R&D	25,400	24,200	26,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	22,600	(†)	22,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	23,100	21,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	21,600	22,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Life scientists	20,300	20,800	19,900	$17,000	$21,200	$16,900	21,600	22,300	$19,300	(†)	(†)	21,100	(†)
Research and development	19,500	21,000	18,600	(†)	(†)	(†)	19,700	21,800	18,900	(†)	(†)	18,900	(†)
Basic research	19,500	(†)	18,900	(†)	(†)	(†)	19,000	21,800	(†)	(†)	(†)	(†)	(†)
Applied research	19,500	19,800	18,500	(†)	(†)	(†)	(†)	21,700	(†)	(†)	(†)	(†)	(†)
Development/design	21,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	25,600	21,700	25,700	(†)	(†)	(†)	(†)	29,600	(†)	(†)	(†)	25,000	(†)
Of R&D	25,600	21,000	24,900	(†)	(†)	(†)	(†)	30,100	(†)	(†)	(†)	24,700	(†)
Other than R&D	25,600	(†)	26,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,700	(†)	19,800	16,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	19,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-24—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Biological scientists	$19,900	$21,800	$19,700	$17,000	(†)	(†)	$19,600	$22,600	$18,400	(†)	(†)	$20,800	(†)
Research and development	19,200	(†)	18,200	(†)	(†)	(†)	19,400	20,600	(†)	(†)	(†)	19,100	(†)
Basic research	19,000	(†)	18,000	(†)	(†)	(†)	(†)	20,600	(†)	(†)	(†)	(†)	(†)
Applied research	19,000	(†)	18,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,900	(†)	24,600	(†)	(†)	(†)	(†)	30,200	(†)	(†)	(†)	(†)	(†)
Of R&D	24,900	(†)	24,300	(†)	(†)	(†)	(†)	30,200	(†)	(†)	(†)	(†)	(†)
Other than R&D	24,700	(†)	25,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,400	(†)	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists	20,600	20,400	19,800	(†)	(†)	(†)	(†)	21,700	20,300	(†)	(†)	(†)	(†)
Research and development	19,900	(†)	18,200	(†)	(†)	(†)	(†)	22,000	(†)	(†)	(†)	(†)	(†)
Basic research	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	19,500	(†)	18,100	(†)	(†)	(†)	(†)	21,700	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	26,400	(†)	26,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	26,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	20,300	(†)	20,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	21,000	(†)	21,000	(†)	(†)	(†)	(†)	24,500	(†)	(†)	(†)	(†)	(†)
Research and development	20,700	(†)	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	20,300	(†)	20,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	25,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	25,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	20,400	(†)	20,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-24—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Psychologists	$21,100	$24,800	$20,000	(†)	$21,500	$20,800	$25,400	$24,100	$22,500	$19,200	(†)	$26,800	(†)
Research and development	21,100	(†)	21,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	22,200	(†)	20,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	21,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	23,800	(†)	20,800	(†)	(†)	20,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	27,800	(†)	19,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	22,500	(†)	22,400	(†)	(†)	20,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	19,600	(†)	19,500	(†)	19,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	20,900	(†)	18,900	(†)	21,300	20,100	(†)	(†)	(†)	(†)	(†)	28,000	(†)
Other activities	23,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	22,300	38,500	21,400	(†)	(†)	(†)	23,500	26,800	(†)	25,200	(†)	(†)	(†)
Research and development	22,500	(†)	21,500	(†)	(†)	(†)	(†)	25,100	(†)	(†)	(†)	(†)	(†)
Basic research	21,700	(†)	22,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,900	(†)	21,300	(†)	(†)	(†)	(†)	25,400	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	26,900	(†)	25,900	(†)	(†)	(†)	(†)	26,100	(†)	(†)	(†)	(†)	(†)
Of R&D	27,400	(†)	26,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	26,400	(†)	25,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	21,000	(†)	21,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	22,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Economists	24,200	41,200	22,000	(†)	(†)	(†)	(†)	25,900	(†)	(†)	(†)	(†)	(†)
Research and development	23,400	(†)	22,600	(†)	(†)	(†)	(†)	24,000	(†)	(†)	(†)	(†)	(†)
Basic research	22,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	23,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	31,600	(†)	27,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	31,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	31,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	21,600	(†)	21,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	25,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-24—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Sociologists/anthropologists . . .	$20,900	(†)	$20,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development . . .	21,000	(†)	19,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	23,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management of administration	25,600	(†)	25,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	24,900	(†)	24,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	20,000	(†)	20,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	22,000	(†)	21,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development . . .	18,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	25,000	(†)	25,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	25,700	(†)	25,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	21,100	(†)	21,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) Less than 20 sample cases reported

Source: National Science Foundation, National Sample, 1974.

Table B-25.—Median annual salaries of master's degree scientists and engineers by field, primary work activity, and type of employer: 1974

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Total, all fields	$19,400	$19,800	$15,700	$17,600	$18,500	$15,500	$18,900	$21,800	$15,900	$19,100	$20,300	$19,700	(†)
Research and development	18,700	18,600	12,600	(†)	(†)	(†)	19,400	20,200	14,800	18,500	20,100	18,900	(†)
Basic research	16,500	17,300	10,700	(†)	(†)	(†)	(†)	20,400	(†)	(†)	(†)	18,700	(†)
Applied research	18,700	19,000	13,700	(†)	(†)	(†)	19,200	20,200	15,200	29,500	(†)	18,300	(†)
Development/design	18,800	18,700	(†)	(†)	(†)	(†)	20,100	20,100	(†)	18,200	20,100	19,300	(†)
Management or administration	22,900	23,500	19,400	19,800	16,600	23,800	25,100	17,600	21,100	21,900	22,900	(†)	(†)
Of R&D	24,600	24,700	16,300	(†)	(†)	(†)	25,200	26,000	18,400	23,400	(†)	24,300	(†)
Other than R&D	21,500	22,100	22,100	(†)	(†)	(†)	(†)	24,100	17,000	20,400	(†)	20,700	(†)
Teaching	16,600	(†)	16,200	17,200	13,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	18,200	18,200	(†)	(†)	(†)	(†)	(†)	19,800	15,700	17,000	(†)	18,400	(†)
Consulting	19,300	20,600	13,700	(†)	19,300	14,800	17,400	22,000	15,100	18,300	(†)	20,400	(†)
Other activities	18,700	18,900	14,600	(†)	(†)	(†)	17,400	20,200	14,500	17,300	19,500	18,300	(†)
Not reported	19,400	18,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Physical scientists	19,000	19,600	14,400	17,300	(†)	(†)	18,000	20,900	(†)	19,400	(†)	17,800	(†)
Research and Development	18,300	17,800	10,500	(†)	(†)	(†)	(†)	20,500	(†)	(†)	(†)	17,400	(†)
Basic research	17,600	17,100	(†)	(†)	(†)	(†)	(†)	21,100	(†)	(†)	(†)	(†)	(†)
Applied research	17,800	17,700	(†)	(†)	(†)	(†)	(†)	19,800	(†)	(†)	(†)	16,800	(†)
Development/design	18,900	18,600	(†)	(†)	(†)	(†)	(†)	21,700	(†)	(†)	(†)	(†)	(†)
Management or administration	24,900	25,300	(†)	(†)	(†)	(†)	(†)	25,900	(†)	(†)	(†)	(†)	(†)
Of R&D	25,900	26,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	22,200	22,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	16,500	(†)	15,500	17,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	17,100	17,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	16,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	17,500	17,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	17,900	18,600	12,900	(†)	(†)	(†)	(†)	20,400	(†)	(†)	(†)	17,200	(†)
Research and development	17,300	17,200	(†)	(†)	(†)	(†)	(†)	20,200	(†)	(†)	(†)	16,900	(†)
Basic research	17,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	16,800	16,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	18,300	18,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	23,900	25,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	25,900	26,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,800	22,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	15,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	16,000	16,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	17,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-25—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Physicists/astronomers	$21,100	$24,000	$16,000	$18,000	(†)	(†)	(†)	$22,200	(†)	(†)	(†)	(†)	(†)
Research and development	20,400	21,500	(†)	(†)	(†)	(†)	(†)	21,300	(†)	(†)	(†)	(†)	(†)
Basic research	20,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	21,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	20,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	25,600	27,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	25,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	17,100	(†)	16,100	17,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	19,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	20,500	(†)	(†)	(†)	(†)	(†)	(†)	22,200	(†)	(†)	(†)	(†)	(†)
Research and development	22,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	18,100	20,700	15,300	16,000	(†)	(†)	(†)	20,600	(†)	(†)	(†)	$18,900	(†)
Research and development	19,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	19,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	22,400	23,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	24,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	21,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	15,400	(†)	15,500	15,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,900	19,500	(†)	(†)	(†)	(†)	(†)	20,100	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-25—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Mathematicians	$17,500	$21,800	$15,300	$16,000	(†)	(†)	(†)	$20,300	(†)	(†)	(†)	(†)	(†)
Research and development	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	19,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	22,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	15,400	(†)	15,400	15,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	19,300	21,000	(†)	(†)	(†)	(†)	(†)	19,900	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	19,700	20,400	(†)	(†)	(†)	(†)	(†)	21,200	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	22,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,700	(†)	(†)	(†)	(†)	(†)	(†)	20,800	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	19,000	19,000	15,800	(†)	(†)	(†)	(†)	21,500	(†)	(†)	(†)	$18,800	(†)
Research and development	20,400	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	20,500	20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	22,900	23,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	23,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	22,300	23,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	20,700	19,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,200	18,200	(†)	(†)	(†)	(†)	(†)	20,700	(†)	(†)	(†)	18,200	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-25—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Environmental scientists	$19,600	$19,800	$13,800	(†)	(†)	(†)	(†)	$21,000	(†)	(†)	(†)	$19,900	(†)
Research and development	18,900	18,400	(†)	(†)	(†)	(†)	(†)	20,700	(†)	(†)	(†)	(†)	(†)
Basic research	20,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	18,800	19,200	(†)	(†)	(†)	(†)	(†)	20,200	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	22,900	24,100	(†)	(†)	(†)	(†)	(†)	24,800	(†)	(†)	(†)	(†)	(†)
Of R&D	24,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	22,600	23,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	17,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	19.900	20,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	21,000	20,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,500	18,400	(†)	(†)	(†)	(†)	(†)	19,400	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Earth scientists	19.300	19,900	12,900	(†)	(†)	(†)	(†)	20,800	(†)	(†)	(†)	19,700	(†)
Research and development	18,500	18,500	(†)	(†)	(†)	(†)	(†)	20,700	(†)	(†)	(†)	(†)	(†)
Basic research	20,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	18,600	19,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	23,600	24,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	24,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	22,900	24,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	17,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	19,300	19,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	21,100	20,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,300	18,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-25—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Atmospheric scientists	$21,100	(†)	(†)	(†)	(†)	(†)	(†)	$21,900	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	20,100	$19,900	$19,300	$19,300	(†)	(†)	$20,800	22,600	$18,600	$20,100	$20,100	$20,300	(†)
Research and development	18,900	18,600	15,900	(†)	(†)	(†)	20,400	20,400	(†)	18,400	20,300	19,600	(†)
Basic research	17,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	19,800	19,100	(†)	(†)	(†)	(†)	21,300	22,400	(†)	(†)	(†)	18,800	(†)
Development/design	18,800	18,600	(†)	(†)	(†)	(†)	20,000	20,100	(†)	18,200	20,100	19,900	(†)
Management or administration	23,600	23,500	21,300	(†)	(†)	(†)	25,000	25,300	20,400	22,100	21,500	24,400	(†)
Of R&D	24,800	24,500	(†)	(†)	(†)	(†)	25,400	26,000	(†)	(†)	(†)	24,800	(†)
Other than R&D	22,200	22,200	(†)	(†)	(†)	(†)	(†)	24,300	18,600	20,900	(†)	22,400	(†)
Teaching	19,300	(†)	19,300	19,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	18,400	18,100	(†)	(†)	(†)	(†)	(†)	21,500	(†)	(†)	(†)	19,200	(†)
Consulting	20,400	20,600	(†)	(†)	(†)	(†)	(†)	20,700	(†)	(†)	(†)	20,200	(†)
Other activities	19,400	19,400	(†)	(†)	(†)	(†)	(†)	20,400	(†)	(†)	(†)	18,500	(†)
Not reported	20,400	18,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Life scientists	15,500	18,500	14,200	16,600	(†)	(†)	(†)	17,600	13,400	14,800	(†)	15,800	(†)
Research and development	13,900	(†)	12,100	(†)	(†)	(†)	(†)	17,100	12,400	(†)	(†)	(†)	(†)
Basic research	13,100	(†)	10,600	(†)	(†)	(†)	(†)	14,800	(†)	(†)	(†)	(†)	(†)
Applied research	14,300	(†)	13,300	(†)	(†)	(†)	(†)	17,700	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	18,500	20,100	(†)	(†)	(†)	(†)	(†)	20,800	14,400	(†)	(†)	(†)	(†)
Of R&D	18,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	18,600	20,400	(†)	(†)	(†)	(†)	(†)	20,500	14,200	(†)	(†)	(†)	(†)
Teaching	15,100	(†)	15,200	15,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	12,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	16,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	14,700	(†)	(†)	(†)	(†)	(†)	(†)	16,800	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-25—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Biological scientists	$14,400	$18,600	$12,900	$15,300	(†)	(†)	(†)	$16,900	$13,100	(†)	(†)	$15,400	(†)
Research and development ...	13,700	10,600	(†)	(†)	(†)	(†)	$17,000	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	13,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	14,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	17,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	18,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	15,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	14,000	(†)	13,900	15,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	13,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	13,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists	16,600	18,200	15,200	(†)	(†)	(†)	(†)	17,800	14,000	(†)	(†)	(†)	(†)
Research and development ...	14,300	(†)	12,700	(†)	(†)	(†)	(†)	16,000	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	14,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	18,700	18,500	(†)	(†)	(†)	(†)	(†)	22,100	(†)	(†)	(†)	(†)	(†)
Of R&D	18,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	18,800	20,100	(†)	(†)	(†)	(†)	(†)	20,700	(†)	(†)	(†)	(†)	(†)
Teaching	15,800	(†)	16,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	18,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	15,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	16,900	(†)	16,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development ...	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	16,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-25—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Psychologists	$17,100	$21,300	$14,200	$15,700	$18,900	$14,900	$13,900	(†)	$15,100	$16,300	(†)	$21,200	(†)
Research and development	14,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	17,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	17,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	17,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	15,900	(†)	15,300	15,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	17,900	(†)	(†)	(†)	19,300	14,300	(†)	(†)	(†)	16,400	(†)	(†)	(†)
Other activities	14,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	17,900	22,400	15,700	18,300	(†)	(†)	16,700	$23,400	14,600	18,100	(†)	18,500	(†)
Research and development	18,300	(†)	(†)	(†)	(†)	(†)	(†)	19,600	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	18,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	19,000	(†)	(†)	(†)	(†)	(†)	(†)	28,700	(†)	(†)	(†)	(†)	(†)
Of R&D	23,400	(†)	(†)	(†)	(†)	(†)	(†)	28,400	(†)	(†)	(†)	(†)	(†)
Other than R&D	18,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	16,200	(†)	16,100	16,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	15,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,200	21,100	(†)	(†)	(†)	(†)	(†)	21,900	(†)	17,800	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Economists	20,800	22,500	18,600	(†)	(†)	(†)	(†)	23,700	(†)	(†)	(†)	(†)	(†)
Research and development	19,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	22,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	23,700	(†)	(†)	(†)	(†)	(†)	(†)	30,500	(†)	(†)	(†)	(†)	(†)
Of R&D	25,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	19,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	18,700	(†)	18,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	21,300	(†)	(†)	(†)	(†)	(†)	(†)	22,200	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-25—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Nonprofit organization	Federal Government	State government	Local government	Other government	Other	No report
Sociologists/anthropologists . . .	$15,700	(†)	$15,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development . . .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	15,200	(†)	15,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	16,900	(†)	15,100	(†)	(†)	(†)	$16,600	$23,900	(†)	$17,700	(†)	(†)	(†)
Research and development . . .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	18,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	24,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	18,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	16,100	(†)	15,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	13,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	15,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) Less than 20 sample cases reported.
Source: National Science Foundation, National Sample, 1974.

Table B-26.—Median annual salaries of bachelor's degree scientists and engineers by field, primary work activity, and type of employer: 1974

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Total, all fields	$18,800	$18,600	$14,800	$15,800	$15,400	$14,300	$18,300	$20,900	$16,300	$18,900	$ 19,100	$18,600	(†)
Research and development	17,600	17,400	11,400	(†)	(†)	(†)	15,900	20,100	15,900	17,600	16,800	17,200	(†)
Basic research	15,400	16,700	9,500	(†)	(†)	(†)	(†)	17,400	(†)	(†)	(†)	14,700	(†)
Applied research	18,200	17,400	(†)	(†)	(†)	(†)	16,600	22,000	16,000	20,700	(†)	17,800	(†)
Development/design	17,600	17,400	(†)	(†)	(†)	(†)	15,900	20,100	15,900	17,100	17,000	17,500	(†)
Management or administration	21,800	21,800	18,300	(†)	(†)	(†)	22,700	23,800	18,000	21,000	24,600	21,600	(†)
Of R&D	23,600	22,800	18,600	(†)	(†)	(†)	25,100	25,600	16,600	24,600	22,800	23,200	(†)
Other than R&D	21,000	21,200	17,900	(†)	(†)	(†)	19,700	22,400	18,200	20,500	24,700	20,800	(†)
Teaching	15,900	18,700	15,400	15,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	17,600	17,500	(†)	(†)	(†)	(†)	18,100	19,800	16,000	17,900	18,100	16,500	(†)
Consulting	19,200	19,300	(†)	(†)	(†)	(†)	(†)	20,500	15,700	16,400	20,000	20,100	(†)
Other activities	17,500	17,300	14,100	(†)	(†)	(†)	15,900	20,000	15,100	17,900	18,600	17,400	(†)
Not reported	18,600	19,000	(†)	(†)	(†)	(†)	(†)	19,100	(†)	(†)	(†)	(†)	(†)
Physical scientists	17,100	17,100	9,000	(†)	(†)	(†)	17,700	20,100	14,900	17,100	(†)	16,200	(†)
Research and development	16,300	16,000	8,600	(†)	(†)	(†)	16,200	19,900	(†)	(†)	(†)	15,900	(†)
Basic research	15,500	(†)	(†)	(†)	(†)	(†)	(†)	17,700	(†)	(†)	(†)	(†)	(†)
Applied research	16,900	16,300	(†)	(†)	(†)	(†)	(†)	20,700	(†)	(†)	(†)	16,000	(†)
Development/design	16,100	15,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16,100	(†)
Management or administration	20,800	20,400	(†)	(†)	(†)	(†)	(†)	23,600	(†)	(†)	(†)	19,800	(†)
Of R&D	22,300	22,200	(†)	(†)	(†)	(†)	(†)	24,500	(†)	(†)	(†)	19,700	(†)
Other than R&D	19,700	18,900	(†)	(†)	(†)	(†)	(†)	23,000	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	15,000	14,800	(†)	(†)	(†)	(†)	(†)	17,900	(†)	15,500	(†)	14,900	(†)
Consulting	15,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	16,900	17,100	(†)	(†)	(†)	(†)	(†)	19,600	(†)	17,200	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	16,500	16,700	(†)	(†)	(†)	(†)	(†)	18,900	13,400	15,500	(†)	16,100	(†)
Research and development	15,800	15,700	(†)	(†)	(†)	(†)	(†)	19,300	(†)	(†)	(†)	15,700	(†)
Basic research	15,300	(†)	(†)	(†)	(†)	(†)	(†)	17,300	(†)	(†)	(†)	(†)	(†)
Applied research	16,400	16,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16,000	(†)
Development/design	15,700	15,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	16,000	(†)
Management or administration	20,300	20,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	19,800	(†)
Of R&D	21,800	22,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	19,600	(†)
Other than R&D	18,700	18,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14,800	(†)
Production/inspection	14,800	14,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	16,200	17,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-26–Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Nonprofit organization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Physicists/astronomers	$19,400	$19,700	(†)	(†)	(†)	(†)	(†)	$22,000	(†)	(†)	(†)	$18,800	(†)
Research and development	18,400	18,800	(†)	(†)	(†)	(†)	(†)	20,300	(†)	(†)	(†)	(†)	(†)
Basic research	10,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	19,300	(†)	(†)	(†)	(†)	(†)	(†)	22,000	(†)	(†)	(†)	(†)	(†)
Development/design	19,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	22,300	21,400	(†)	(†)	(†)	(†)	(†)	22,800	(†)	(†)	(†)	(†)	(†)
Of R&D	23,300	(†)	(†)	(†)	(†)	(†)	(†)	22,600	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	20,200	(†)	(†)	(†)	(†)	(†)	(†)	25,800	(†)	$18,000	(†)	(†)	(†)
Research and development	20,800	(†)	(†)	(†)	(†)	(†)	(†)	22,600	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	20,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	25,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	19,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	19,400	19,900	(†)	(†)	(†)	(†)	(†)	20,900	(†)	17,200	(†)	20,200	(†)
Research and development	17,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,400	24,400	(†)	(†)	(†)	(†)	(†)	24,900	(†)	(†)	(†)	(†)	(†)
Of R&D	25,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	24,100	24,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	16,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	16,700	15,600	(†)	(†)	(†)	(†)	(†)	20,100	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-26—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Mathematicians	$20,400	$20,900	(†)	(†)	(†)	(†)	(†)	$20,700	(†)	(†)	(†)	$ 20,200	(†)
Research and development	17,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	24,300	24,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	25,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	24,200	24,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,300	(†)	(†)	(†)	(†)	(†)	(†)	20,200	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	17,100	17,400	(†)	(†)	(†)	(†)	(†)	21,800	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	15,500	14,500	(†)	(†)	(†)	(†)	(†)	19,500	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	18,000	17,700	14,700	(†)	(†)	(†)	17,200	20,600	$15,700	$18,200	$18,800	19,100	(†)
Research and development	17,400	17,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	17,600	17,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	20,100	19,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	26,000	(†)
Of R&D	22,200	20,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	19,400	18,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	16,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	18,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	19,800	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	17,400	17,200	14,100	(†)	(†)	(†)	16,100	20,100	15,200	17,900	18,600	17,700	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-26—Con.

Field and primary work activity	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Environmental scientists	$19,100	$20,000	(†)	(†)	(†)	(†)	(†)	$19,600	$14,800	$18,900	$21,200	$17,200	(†)
Research and development	18,200	17,600	(†)	(†)	(†)	(†)	(†)	20,500	(†)	(†)	(†)	(†)	(†)
Basic research	16,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	20,000	17,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	17,700	18,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	21,000	22,400	(†)	(†)	(†)	(†)	(†)	27,100	(†)	(†)	(†)	(†)	(†)
Of R&D	23,600	22,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,600	22,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	19,100	18,200	(†)	(†)	(†)	(†)	(†)	21,000	(†)	(†)	(†)	(†)	(†)
Consulting	18,800	20,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,500	19,200	(†)	(†)	(†)	(†)	(†)	17,900	(†)	(†)	(†)	20,600	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Earth scientists	18,700	20,000	(†)	(†)	(†)	(†)	(†)	18,900	15,000	18,500	21,200	16,300	(†)
Research and development	17,900	17,600	(†)	(†)	(†)	(†)	(†)	20,100	(†)	(†)	(†)	(†)	(†)
Basic research	16,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	19,500	17,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	17,700	18,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	20,800	22,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	23,400	22,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,300	22,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	18,500	18,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	18,900	20,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,300	19,400	(†)	(†)	(†)	(†)	(†)	16,400	(†)	(†)	(†)	18,200	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-26–Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Atmospheric scientists	$21,900	(†)	(†)	(†)	(†)	(†)	(†)	$ 22,300	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	19,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	19,100	$18,800	$15,600	$15,700	(†)	(†)	19,600	22,200	$17,400	$19,500	$19,300	$19,100	(†)
Research and development	17,900	17,600	(†)	(†)	(†)	(†)	16,400	20,400	15,900	17,700	16,900	18,200	(†)
Basic research	18,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	19,300	18,400	(†)	(†)	(†)	(†)	(†)	23,500	(†)	(†)	(†)	19,300	(†)
Development/design	17,800	17,500	(†)	(†)	(†)	(†)	15,900	20,100	15,800	17,200	17,000	18,000	(†)
Management or administration	22,200	22,000	(†)	(†)	(†)	(†)	23,000	24,600	18,700	21,200	24,700	22,100	(†)
Of R&D	24,000	23,000	(†)	(†)	(†)	(†)	24,700	25,700	17,000	24,900	(†)	22,900	(†)
Other than R&D	21,500	21,500	(†)	(†)	(†)	(†)	20,900	23,700	18,900	20,500	24,800	21,200	(†)
Teaching	16,600	19,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	17,900	17,700	(†)	(†)	(†)	(†)	18,200	20,600	16,900	18,400	18,400	17,000	(†)
Consulting	19,700	19,400	(†)	(†)	(†)	(†)	(†)	22,500	16,900	(†)	20,000	20,700	(†)
Other activities	17,900	17,500	(†)	(†)	(†)	(†)	16,400	20,800	15,800	18,500	19,000	17,600	(†)
Not reported	18,800	19,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Life scientists	15,800	16,900	16,500	(†)	(†)	(†)	14,100	16,600	13,000	14,600	(†)	16,000	(†)
Research and development	14,100	14,800	(†)	(†)	(†)	(†)	(†)	15,900	12,400	(†)	(†)	15,300	(†)
Basic research	12,900	(†)	(†)	(†)	(†)	(†)	(†)	14,600	(†)	(†)	(†)	(†)	(†)
Applied research	15,300	(†)	(†)	(†)	(†)	(†)	(†)	17,200	(†)	(†)	(†)	(†)	(†)
Development/design	13,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	16,700	18,400	(†)	(†)	(†)	(†)	(†)	17,100	13,900	(†)	(†)	(†)	(†)
Of R&D	17,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	13,100	(†)	(†)	(†)	(†)
Other than R&D	16,600	18,200	(†)	(†)	(†)	(†)	(†)	16,900	14,200	(†)	(†)	(†)	(†)
Teaching	12,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	16,400	17,300	(†)	(†)	(†)	(†)	(†)	16,300	(†)	(†)	(†)	(†)	(†)
Consulting	14,600	(†)	(†)	(†)	(†)	(†)	(†)	16,800	12,200	(†)	(†)	(†)	(†)
Other activities	14,200	(†)	(†)	(†)	(†)	(†)	(†)	15,500	11,900	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-26—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organization	Federal Government	State government	Local government	Other government	Other	No report
Biological scientists	$14,600	$15,300	(†)	(†)	(†)	(†)	(†)	$16,300	$13,500	$14,200	(†)	$14,600	(†)
Research and development	13,000	(†)	(†)	(†)	(†)	(†)	(†)	15,300	(†)	(†)	(†)	(†)	(†)
Basic research	12,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	16,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	16,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	14,100	(†)	(†)	(†)	(†)
Of R&D	13,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	16,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	15,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	13,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists	16,300	17,500	(†)	(†)	(†)	(†)	(†)	16,700	12,800	15,000	(†)	(†)	(†)
Research and development	15,900	(†)	(†)	(†)	(†)	(†)	(†)	16,600	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	15,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	16,800	18,500	(†)	(†)	(†)	(†)	(†)	17,000	13,300	(†)	(†)	(†)	(†)
Of R&D	19,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	16,600	18,100	(†)	(†)	(†)	(†)	(†)	16,800	13,800	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	16,800	17,400	(†)	(†)	(†)	(†)	(†)	16,200	(†)	(†)	(†)	(†)	(†)
Consulting	15,000	(†)	(†)	(†)	(†)	(†)	(†)	16,800	11,900	(†)	(†)	(†)	(†)
Other activities	14,700	(†)	(†)	(†)	(†)	(†)	(†)	15,800	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	14,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development	14,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-26—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/university	2-year college	Other	Hospital/clinic	Nonprofit organization	Federal Government	State government	Local government	Other government	Other	No report
Psychologists	$15,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	15,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	17,800	$22,100	$15,900	(†)	(†)	(†)	(†)	$21,000	$13,300	$16,300	(†)	(†)	(†)
Research and development	16,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	20,700	24,300	(†)	(†)	(†)	(†)	(†)	24,700	(†)	(†)	(†)	(†)	(†)
Of R&D	22,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,400	24,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	15,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	16,600	21,800	(†)	(†)	(†)	(†)	(†)	20,300	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Economists	19,900	22,200	(†)	(†)	(†)	(†)	(†)	21,200	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	23,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	27,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	18,800	(†)	(†)	(†)	(†)	(†)	(†)	20,400	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-26—Con.

			Educational institutions										
Field and primary work activity	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Sociologists/anthropologists	$17,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	16,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Research and development	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Basic research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Applied research	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Development/design	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Management or administration	20,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Of R&D	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other than R&D	20,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Teaching	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Production/inspection	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Consulting	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other activities	9,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) Less than 20 sample cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-27.—Median annual salaries of scientists and engineers by field, sex, and age: 1974

Field and sex	Total	Under 25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 & over
Total, all fields	$19,300	$12,300	$15,000	$17,300	$19,500	$20,500	$21,200	$21,700	$21,800	$21,000	$20,300	$17,800
Male	19,400	12,300	15,100	17,400	19,600	20,500	21,300	21,800	21,800	21,000	20,200	17,900
Female	15,700	(†)	13,300	15,400	16,000	17,300	17,400	16,600	18,400	16,700	(†)	(†)
Physical scientists	19,500	(†)	13,500	16,900	19,400	21,100	22,000	23,800	23,600	22,000	22,400	(†)
Male	20,000	(†)	14,300	17,500	19,800	21,400	22,400	24,000	23,900	22,400	22,600	(†)
Female	15,000	(†)	11,100	14,700	16,200	15,400	14,900	(†)	(†)	(†)	(†)	(†)
Chemists	18,900	(†)	13,000	16,300	18,600	20,500	20,600	22,800	22,200	21,300	(†)	(†)
Male	19,400	(†)	14,100	16,800	19,000	20,700	21,000	23,100	22,400	21,500	(†)	(†)
Female	14,400	(†)	11,000	14,300	15,800	13,000	13,900	(†)	(†)	(†)	(†)	(†)
Physicists/astronomers	21,300	(†)	14,300	17,600	20,700	23,100	25,800	28,700	27,200	29,700	(†)	(†)
Male	21,700	(†)	14,900	18,400	21,200	23,100	25,800	28,300	27,100	29,900	(†)	(†)
Female	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	21,700	(†)	(†)	19,200	21,700	23,600	25,100	25,100	(†)	(†)	(†)	(†)
Male	22,100	(†)	(†)	19,200	22,000	24,100	25,000	25,000	(†)	(†)	(†)	(†)
Female	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	19,800	(†)	14,900	18,000	20,300	22,600	24,400	23,400	24,000	25,200	(†)	(†)
Male	20,100	(†)	15,700	18,100	20,400	23,100	24,800	23,000	24,500	26,000	(†)	(†)
Female	15,600	(†)	14,000	15,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematicians	19,700	(†)	14,500	18,000	20,400	22,900	24,500	22,700	22,700	24,800	(†)	(†)
Male	20,000	(†)	15,300	18,100	20,600	23,800	25,100	22,800	23,300	25,400	(†)	(†)
Female	15,400	(†)	14,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	20,000	(†)	15,600	18,300	20,100	20,700	24,100	24,700	28,300	(†)	(†)	(†)
Male	20,100	(†)	16,200	18,200	20,200	20,600	24,200	24,200	(†)	(†)	(†)	(†)
Female	16,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	18,400	(†)	15,900	17,700	20,000	20,000	20,200	18,800	20,600	(†)	(†)	(†)
Male	18,600	(†)	16,100	17,800	20,100	20,000	20,200	19,100	20,600	(†)	(†)	(†)
Female	16,300	(†)	15,200	16,500	19,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental scientists	20,100	(†)	13,600	16,600	19,100	21,600	21,000	22,500	22,500	21,500	(†)	(†)
Male	20,100	(†)	13,900	16,600	19,100	21,600	21,000	22,900	22,200	21,100	(†)	(†)
Female	14,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Earth scientists	19,700	(†)	13,600	16,300	18,500	20,900	20,800	21,700	21,900	21,100	(†)	(†)
Male	19,700	(†)	13,900	16,300	18,500	21,100	20,800	22,100	21,500	19,800	(†)	(†)
Female	20,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	14,300	(†)	(†)	(†)	20,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Male	20,800	(†)	(†)	(†)	20,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Female	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-27—Con.

Field and sex	Total	Under 25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 & over
Atmospheric scientists	$22,300	(†)	(†)	(†)	$20,900	$ 22,800	$22,300	$ 27,100	$24,000	(†)	(†)	(†)
Male	22,300	(†)	(†)	(†)	20,900	22,800	22,300	27,100	24,000	(†)	(†)	(†)
Female	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	19,400	$12,300	$15,200	$17,600	19,600	20,400	21,100	21,400	21,100	$20,600	$18,700	$17,700
Male	19,500	12,300	15,200	17,600	19,600	20,400	21,100	21,400	21,100	20,600	18,700	17,700
Female	15,600	(†)	14,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Life scientists	17,800	(†)	12,600	14,800	17,300	19,200	19,900	20,500	21,900	22,200	21,800	(†)
Male	18,100	(†)	13,000	15,200	17,600	19,400	20,000	20,800	21,900	24,100	21,900	(†)
Female	13,500	(†)	11,400	13,100	13,600	16,000	15,300	12,700	(†)	(†)	(†)	(†)
Biological scientists	17,900	(†)	12,300	14,500	17,900	19,700	20,000	21,900	23,700	25,300	(†)	(†)
Male	18,500	(†)	13,000	15,000	18,100	20,100	20,500	23,700	24,200	25,800	(†)	(†)
Female	13,500	(†)	11,000	13,100	15,500	16,400	14,200	(†)	(†)	(†)	(†)	(†)
Agricultural scientists	17,100	(†)	12,700	14,600	16,700	18,600	18,500	18,800	19,800	18,500	(†)	(†)
Male	17,200	(†)	12,700	14,600	16,800	18,600	18,400	18,800	19,800	19,400	(†)	(†)
Female	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	19,700	(†)	(†)	17,100	18,400	20,500	26,400	26,400	24,300	(†)	(†)	(†)
Male	21,000	(†)	(†)	17,900	19,200	23,900	26,400	27,100	27,000	(†)	(†)	(†)
Female	15,200	(†)	(†)	(†)	(†)	15,500	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	19,400	(†)	14,600	16,700	19,900	22,000	23,100	23,200	23,500	23,700	(†)	(†)
Male	19,900	(†)	15,000	17,200	20,400	22,600	23,400	23,800	25,300	24,300	(†)	(†)
Female	17,200	(†)	12,300	15,100	17,200	18,800	19,200	19,900	19,600	19,900	(†)	(†)
Social Scientists	20,200	(†)	14,800	17,000	19,800	22,800	23,200	25,100	24,700	25,500	24,500	(†)
Male	20,900	(†)	15,800	17,300	20,400	23,000	24,400	16,400	26,100	26,000	26,900	(†)
Female	16,100	(†)	12,400	15,700	15,500	20,700	17,500	16,400	(†)	(†)	(†)	(†)
Economists	22,300	(†)	17,300	18,900	21,800	24,300	24,900	25,400	25,300	26,000	(†)	(†)
Male	22,800	(†)	17,800	19,300	22,200	25,000	26,300	25,300	26,000	26,500	(†)	(†)
Female	17,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Sociologists/anthropologists	19,000	(†)	13,000	16,000	19,200	21,600	21,400	26,500	22,400	27,000	(†)	(†)
Male	19,700	(†)	(†)	16,200	19,700	22,800	23,900	27,400	(†)	(†)	(†)	(†)
Female	16,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	18,600	(†)	11,900	16,700	18,400	22,000	20,700	21,900	24,000	20,500	(†)	(†)
Male	19,400	(†)	(†)	16,700	19,300	21,000	21,600	25,400	27,000	(†)	(†)	(†)
Female	13,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) Less than 20 sample cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-28.—Median annual salaries of scientists and engineers by field, race, and age: 1974

Field and race	Total	Under 25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over
Total, all fields	$19,300	$12,300	$ 15,000	$17,300	$19,500	$ 20,500	$21,200	$ 21,700	$ 21,800	$ 21,000	$ 21,300	$17,800
White/Caucasian	19,300	12,300	15,000	17,400	19,500	21,500	21,300	21,700	21,700	20,900	20,400	18,000
Black/Negro	18,100	(†)	14,300	16,100	18,400	19,400	19,200	21,400	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	18,500	(†)	15,700	16,700	18,000	19,300	20,700	21,400	22,300	(†)	(†)	(†)
Other races	16,500	(†)	(†)	15,800	18,400	17,000	(†)	(†)	(†)	(†)	(†)	(†)
Physical scientists	19,500	(†)	13,500	16,900	19,400	21,100	22,000	23,800	23,600	22,000	22,400	(†)
White/Caucasian	19,800	(†)	14,000	17,600	19,700	21,300	22,000	23,800	23,400	22,200	22,200	(†)
Black/Negro	17,100	(†)	(†)	(†)	(†)	18,400	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	19,800	(†)	(†)	(†)	18,700	21,600	(†)	(†)	(†)	(†)	(†)	(†)
Other races	15,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	18,900	(†)	13,000	16,300	18,600	20,500	20,600	22,800	22,200	21,300	(†)	(†)
White/Caucasian	19,100	(†)	13,600	16,800	18,900	20,700	20,600	22,900	22,400	21,400	(†)	(†)
Black/Negro	16,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	18,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	15,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Physicists/astronomers	21,300	(†)	14,300	17,600	20,700	23,100	25,800	28,700	27,200	29,700	(†)	(†)
White/Caucasian	21,600	(†)	14,900	18,400	21,100	23,200	25,900	28,200	26,400	30,000	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	22,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	21,700	(†)	(†)	19,200	21,700	23,600	25,100	25,100	(†)	(†)	(†)	(†)
White/Caucasian	21,800	(†)	(†)	19,200	21,900	24,300	25,000	25,000	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	19,800	(†)	14,900	18,000	20,300	22,600	24,400	23,400	24,000	25,200	(†)	(†)
White/Caucasian	19,600	(†)	14,700	18,100	20,300	22,400	24,400	22,900	23,900	25,100	(†)	(†)
Black/Negro	19,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	20,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematicians	19,700	(†)	14,500	18,000	20,400	22,900	24,500	22,700	22,700	24,800	(†)	(†)
White/Caucasian	19,600	(†)	14,200	18,000	20,300	23,100	24,500	23,000	22,600	25,000	(†)	(†)
Black/Negro	19,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-28—Con.

Field and race	Total	Under 25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over
Statisticians	$ 20,000	(†)	$ 15,600	$ 18,300	$ 20,100	$ 20,700	$ 24,100	$ 24,700	$ 28,300	(†)	(†)	(†)
White/Caucasian	19,700	(†)	15,800	18,300	20,200	20,000	24,100	20,900	28,300	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	18,400	(†)	15,900	17,700	20,000	20,000	20,200	18,800	20,600	(†)	(†)	(†)
White/Caucasian	18,400	(†)	15,900	17,700	20,100	20,000	20,300	19,100	20,700	(†)	(†)	(†)
Black/Negro	19,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	18,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental scientists	20,100	(†)	13,600	16,600	19,100	21,600	21,000	22,500	22,500	$ 21,500	(†)	(†)
White/Caucasian	20,100	(†)	13,600	16,600	19,100	21,700	21,000	22,500	22,200	19,800	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Earth scientists	19,700	(†)	13,600	16,300	18,500	20,900	20,800	21,700	21,900	21,100	(†)	(†)
White/Caucasian	19,700	(†)	13,500	16,300	18,500	21,100	20,800	21,700	21,500	19,700	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	20,700	(†)	(†)	(†)	20,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)
White/Caucasian	20,400	(†)	(†)	(†)	20,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	22,300	(†)	(†)	(†)	20,900	22,800	22,300	27,100	24,000	(†)	(†)	(†)
White/Caucasian	22,400	(†)	(†)	(†)	20,900	22,800	22,500	27,200	24,000	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	19,400	$12,300	15,200	17,600	19,600	20,400	21,100	21,400	21,100	20,600	$18,700	$17,700
White/Caucasian	19,500	12,200	15,200	17,700	19,700	20,400	21,200	21,400	21,000	20,700	18,800	17,600
Black/Negro	18,900	(†)	(†)	(†)	(†)	(†)	19,400	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	18,400	(†)	(†)	16,700	18,400	18,600	20,500	21,500	(†)	(†)	(†)	(†)
Other races	16,700	(†)	(†)	16,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-28—Con.

Field and race	Total	Under 25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over
Life scientists	$17,800	(†)	$12,600	$14,800	$17,300	$19,200	$19,900	$ 20,500	$21,900	$22,200	$ 21,800	(†)
White/Caucasian	17,800	(†)	12,700	15,100	17,500	19,200	19,900	20,300	21,800	23,300	21,800	(†)
Black/Negro	16,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	15,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists	17,100	(†)	12,700	14,600	16,700	18,600	18,500	18,800	19,800	18,500	(†)	(†)
White/Caucasian	17,200	(†)	12,700	14,600	16,700	18,700	18,500	18,800	19,800	19,400	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Biological scientists	17,900	(†)	12,300	14,500	17,900	19,700	20,000	21,900	23,700	25,300	(†)	(†)
White/Caucasian	18,100	(†)	12,500	14,900	18,100	19,700	20,300	21,900	23,500	25,500	(†)	(†)
Black/Negro	16,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	14,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	19,700	(†)	(†)	17,100	18,400	20,500	26,400	26,400	24,300	(†)	(†)	(†)
White/Caucasian	19,400	(†)	(†)	16,900	18,500	20,700	25,200	26,300	26,300	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	19,400	(†)	14,600	16,700	19,900	22,000	23,100	23,200	23,500	23,700	(†)	(†)
White/Caucasian	19,100	(†)	14,500	16,700	19,800	21,400	23,000	22,700	23,600	23,300	(†)	(†)
Black/Negro	22,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	20,200	(†)	14,800	17,000	19,800	22,800	23,200	25,100	24,700	25,500	24,500	(†)
White/Caucasian	20,200	(†)	14,200	17,000	20,100	23,000	23,400	25,100	24,300	25,800	27,600	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	18,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Economists	22,300	(†)	17,300	18,900	21,800	24,300	24,900	25,400	25,300	26,000	(†)	(†)
White/Caucasian	22,500	(†)	17,200	19,000	22,200	25,100	25,200	25,400	25,700	26,000	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-28—Con.

Field and race	Total	Under 25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 and over
Sociologists/anthropologists	$19,000	(†)	$13,000	$16,000	$19,200	$21,600	$21,400	$26,500	$22,400	$27,000	(†)	(†)
White/Caucasian	19,100	(†)	12,700	16,100	19,500	22,300	21,500	27,600	(†)	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	18,600	(†)	11,900	16,700	18,400	22,000	20,700	21,900	24,000	20,500	(†)	(†)
White/Caucasian	18,500	(†)	11,600	16,600	18,500	21,500	20,700	21,300	22,700	(†)	(†)	(†)
Black/Negro	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
American Indian	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chinese, Japanese, Korean	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other races	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) Less than 20 sample cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-29.—Median annual salaries of scientists and engineers by field, sex, and race: 1974

	Total	White/ Caucasian	Black/ Negro	American Indian	Chinese, Japanese, Korean	Other
Total, all fields	$19,300	$19,400	$18,200	(†)	$18,600	$16,300
Male	19,400	19,500	18,500	(†)	18,700	16,700
Female	15,700	15,700	16,000	(†)	15,300	(†)
Physical scientists	19,500	19,700	17,100	(†)	19,300	13,200
Male	20,000	20,100	17,500	(†)	20,700	(†)
Female	15,000	15,100	(†)	(†)	(†)	(†)
Chemists	18,900	19,000	16,700	(†)	18,000	12,300
Male	19,400	19,500	17,000	(†)	19,700	(†)
Female	14,400	14,500	(†)	(†)	(†)	(†)
Physicists/astronomers	21,300	21,200	(†)	(†)	21,500	(†)
Male	21,700	21,600	(†)	(†)	22,300	(†)
Female	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	21,300	21,600	(†)	(†)	(†)	(†)
Male	22,100	22,000	(†)	(†)	(†)	(†)
Female	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	19,800	19,700	20,200	(†)	20,700	(†)
Male	20,100	20,000	21,000	(†)	(†)	(†)
Female	15,600	15,300	(†)	(†)	(†)	(†)
Mathematicians	19,700	19,600	20,200	(†)	(†)	(†)
Male	20,000	20,000	(†)	(†)	(†)	(†)
Female	15,400	15,000	(†)	(†)	(†)	(†)
Statisticians	20,000	20,000	(†)	(†)	(†)	(†)
Male	20,100	20,100	(†)	(†)	(†)	(†)
Female	16,100	16,400	(†)	(†)	(†)	(†)
Computer specialists	18,400	18,400	19,600	(†)	18,400	(†)
Male	18,600	18,600	19,200	(†)	18,400	(†)
Female	16,300	16,100	(†)	(†)	(†)	(†)
Environmental scientists	20,100	20,100	(†)	(†)	(†)	(†)
Male	20,100	20,100	(†)	(†)	(†)	(†)
Female	14,400	(†)	(†)	(†)	(†)	(†)
Earth scientists	19,700	19,700	(†)	(†)	(†)	(†)
Male	19,700	19,800	(†)	(†)	(†)	(†)
Female	14,300	(†)	(†)	(†)	(†)	(†)
Oceanographers	20,700	20,300	(†)	(†)	(†)	(†)
Male	20,800	20,400	(†)	(†)	(†)	(†)
Female	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	$22,300	$22,400	(†)	(†)	(†)	(†)
Male	22,300	22,400	(†)	(†)	(†)	(†)
Female	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	19,400	19,500	18,900	(†)	18,400	16,800
Male	19,400	19,500	19,000	(†)	18,400	16,600
Female	15,600	15,600	(†)	(†)	(†)	(†)
Life scientists	17,800	17,900	16,200	(†)	15,200	(†)
Male	18,100	18,200	17,100	(†)	15,400	(†)
Female	13,500	13,500	(†)	(†)	(†)	(†)
Biological scientists	17,900	18,000	16,000	(†)	14,500	(†)
Male	18,500	18,600	17,400	(†)	15,300	(†)
Female	13,500	13,600	(†)	(†)	(†)	(†)
Agricultural scientists	17,100	17,100	(†)	(†)	(†)	(†)
Male	17,200	17,200	(†)	(†)	(†)	(†)
Female	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	19,700	19,800	(†)	(†)	(†)	(†)
Male	21,000	21,100	(†)	(†)	(†)	(†)
Female	15,200	14,300	(†)	(†)	(†)	(†)
Psychologists	19,400	19,400	22,100	(†)	(†)	(†)
Male	19,900	19,900	(†)	(†)	(†)	(†)
Female	17,200	17,100	(†)	(†)	(†)	(†)
Social scientists	20,200	20,200	17,400	(†)	18,900	(†)
Male	20,900	21,000	(†)	(†)	18,200	(†)
Female	16,100	16,000	(†)	(†)	(†)	(†)
Economists	22,300	22,400	(†)	(†)	21,300	(†)
Male	22,800	22,900	(†)	(†)	(†)	(†)
Female	17,300	17,000	(†)	(†)	(†)	(†)
Sociologists/anthropologists	19,000	19,100	(†)	(†)	(†)	(†)
Male	19,700	19,800	(†)	(†)	(†)	(†)
Female	16,800	16,800	(†)	(†)	(†)	(†)
Other social scientists	18,600	18,600	(†)	(†)	(†)	(†)
Male	19,400	19,500	(†)	(†)	(†)	(†)
Female	13,900	13,800	(†)	(†)	(†)	(†)

(†) Less than 20 sample cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-30.—Median annual salaries of scientists and engineers by field, employment status, and highest degree: 1974

Field and employment status	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other degree	No degree
Total, all fields	$19,300	$21,900	$24,900	$19,400	$18,800	$16,000	(†)	$16,400
Employed:								
In science or engineering	19,300	22,000	23,000	19,400	18,700	16,000	(†)	16,400
In other than science or engineering	20,500	25,700	(†)	19,700	20,500	(†)	(†)	(†)
Science or engineering not reported	19,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	19,600	19,600	(†)	(†)	(†)	(†)	(†)	(†)
Physical scientists	19,500	21,800	(†)	19,000	17,100	(†)	(†)	(†)
Employed:								
In science or engineering	19,700	22,300	(†)	19,000	17,100	(†)	(†)	(†)
In other than science or engineering	20,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	13,000	13,000	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	18,900	21,500	(†)	17,900	16,500	(†)	(†)	(†)
Employed:								
In science or engineering	19,000	22,000	(†)	18,000	16,500	(†)	(†)	(†)
In other than science or engineering	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	10,400	10,400	(†)	(†)	(†)	(†)	(†)	(†)
Physicists/astronomers	21,300	22,100	(†)	21,100	19,400	(†)	(†)	(†)
Employed:								
In science or engineering	21,700	22,600	(†)	20,900	19,500	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	15,500	15,500	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	21,700	22,800	(†)	20,500	20,200	(†)	(†)	(†)
Employed:								
In science or engineering	21,900	23,300	(†)	20,600	20,200	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematical scientists	19,800	21,200	(†)	18,100	19,400	(†)	(†)	(†)
Employed:								
In science or engineering	19,700	21,200	(†)	18,100	19,500	(†)	(†)	(†)
In other than science or engineering	18,500	(†)	(†)	(†)	18,900	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	22,900	22,900	(†)	(†)	(†)	(†)	(†)	(†)
Mathematicians	19,700	20,800	(†)	17,500	20,400	(†)	(†)	(†)
Employed:								
In science or engineering	19,600	20,900	(†)	17,500	20,600	(†)	(†)	(†)
In other than science or engineering	18,600	(†)	(†)	(†)	20,000	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	20,700	20,700	(†)	(†)	(†)	(†)	(†)	(†)

Table B-30—Con.

Field and employment status	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other degree	No degree
Statisticians	$ 20,000	$ 23,400	(†)	$19,700	$ 17,100	(†)	(†)	(†)
Employed:								
In science or engineering	19,900	22,300	(†)	19,700	17,200	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	18,400	22,200	(†)	19,000	18,000	(†)	(†)	(†)
Employed:								
In science or engineering	18,400	22,200	(†)	19,000	18,000	(†)	(†)	(†)
In other than science or engineering	18,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental scientists	20,100	22,000	(†)	19,600	19,100	(†)	(†)	(†)
Employed:								
In science or engineering	20,000	22,000	(†)	19,700	19,000	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	21,200	21,200	(†)	(†)	(†)	(†)	(†)	(†)
Earth scientists	19,700	21,700	(†)	19,300	18,700	(†)	(†)	(†)
Employed:								
In science or engineering	19,700	21,700	(†)	19,400	18,700	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	21,400	21,400	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	20,700	21,500	(†)	19,600	(†)	(†)	(†)	(†)
Employed:								
In science or engineering	20,800	21,600	(†)	19,600	(†)	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	22,300	26,900	(†)	21,100	21,900	(†)	(†)	(†)
Employed:								
In science or engineering	22,300	26,700	(†)	20,800	21,900	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	19,400	23,200	20,200	20,100	19,100	16,000	(†)	16,400
Employed:								
In science or engineering	19,400	23,300	20,200	20,100	19,100	16,000	(†)	16,400
In other than science or engineering	20,900	(†)	(†)	21,400	20,800	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	21,100	21,100	(†)	(†)	(†)	(†)	(†)	(†)

Table B-30—Con.

Field and employment status	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other degree	No degree
Life scientists	$17,800	$20,300	$32,400	$15,500	$15,800	(†)	(†)	(†)
Employed:								
In science or engineering	17,600	20,400	30,600	15,400	15,700	(†)	(†)	(†)
In other than science or engineering	18,900	(†)	(†)	(†)	18,400	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	18,300	18,300	(†)	(†)	(†)	(†)	(†)	(†)
Biological scientists	17,900	19,900	(†)	14,400	14,600	(†)	(†)	(†)
Employed:								
In science or engineering	17,800	20,100	(†)	14,300	14,200	(†)	(†)	(†)
In other than science or engineering	23,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	15,600	15,600	(†)	(†)	(†)	(†)	(†)	(†)
Agricultural scientists	17,100	20,600	(†)	16,600	16,300	(†)	(†)	(†)
Employed:								
In science or engineering	17,000	20,500	(†)	16,400	16,300	(†)	(†)	(†)
In other than science or engineering	18,400	(†)	(†)	(†)	15,900	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	19,700	21,000	34,000	16,900	14,000	(†)	(†)	(†)
Employed:								
In science or engineering	19,300	21,700	33,000	16,800	14,000	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	20,100	20,100	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	19,400	21,100	(†)	17,100	15,800	(†)	(†)	(†)
Employed:								
In science or engineering	19,200	20,800	(†)	17,200	15,500	(†)	(†)	(†)
In other than science or engineering	18,900	20,900	(†)	14,700	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	23,400	23,400	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	20,200	22,300	(†)	17,900	17,800	(†)	(†)	(†)
Employed:								
In science or engineering	20,000	22,200	(†)	18,000	17,000	(†)	(†)	(†)
In other than science or engineering	22,200	30,100	(†)	16,000	20,600	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	21,100	21,100	(†)	(†)	(†)	(†)	(†)	(†)
Economists	22,300	24,200	(†)	20,800	19,900	(†)	(†)	(†)
Employed:								
In science or engineering	22,500	24,200	(†)	21,600	20,000	(†)	(†)	(†)
In other than science or engineering	20,500	32,500	(†)	(†)	18,300	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	22,100	22,100	(†)	(†)	(†)	(†)	(†)	(†)

Table B-30—Con.

Field and employment status	Total	Doctorate	Professional/ medical	Master's	Bachelor's	Associate	Other degree	No degree
Sociologists/anthropologists .	$19,000	$20,900	(†)	$15,700	$17,500	(†)	(†)	(†)
Employed:								
In science or engineering .	18,700	20,900	(†)	16,000	(†)	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	19,500	19,500	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	18,600	22,000	(†)	16,900	16,100	(†)	(†)	(†)
Employed:								
In science or engineering .	18,000	21,300	(†)	16,900	14,300	(†)	(†)	(†)
In other than science or engineering	23,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	20,800	20,800	(†)	(†)	(†)	(†)	(†)	(†)

(†) Less than 20 sample cases reported.

Source: National Science Foundation, National Sample, 1974.

Table B-31.—Median annual salaries of scientists and engineers by field, employment status, and type of employer: 1974

Field and employment status	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Total, all fields	$19,300	$19,000	$19,400	$17,400	$19,000	$17,500	$20,100	$21,700	$16,400	$18,900	$19,400	$19,600	$25,100
Employed:													
In science or engineering	19,300	19,000	19,500	17,300	18,900	17,300	20,200	21,700	16,500	18,900	19,100	19,500	24,000
In other than science or engineering	20,500	20,800	22,100	(†)	(†)	(†)	(†)	22,200	(†)	(†)	24,900	20,300	(†)
Science or engineering not reported	19,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	19,600	20,500	18,800	(†)	23,200	19,400	17,100	18,100	(†)	(†)	(†)	25,800	(†)
Physical scientists	19,500	19,700	18,700	17,600	(†)	18,300	21,400	21,700	15,600	18,200	18,200	19,500	(†)
Employed:													
In science or engineering	19,700	19,600	19,500	17,500	(†)	18,700	22,000	21,900	15,600	18,200	18,100	19,400	(†)
In other than science or engineering	20,500	20,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	13,000	(†)	10,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Chemists	18,900	19,000	18,700	17,700	(†)	17,700	18,300	20,300	14,300	16,500	18,300	18,400	(†)
Employed:													
In science or engineering	19,000	19,000	19,600	17,600	(†)	18,000	19,100	20,400	14,300	16,400	18,200	18,300	(†)
In other than science or engineering	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	10,400	(†)	8,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Physicists/astronomers	21,300	22,300	18,500	17,400	(†)	(†)	23,500	22,600	18,900	(†)	(†)	21,900	(†)
Employed:													
In science or engineering	21,700	22,400	19,400	17,400	(†)	(†)	23,600	22,800	18,800	(†)	(†)	21,700	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	15,500	(†)	12,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other physical scientists	21,700	21,600	18,000	(†)	(†)	(†)	(†)	23,900	(†)	20,000	(†)	22,600	(†)
Employed:													
In science or engineering	21,900	21,600	20,500	(†)	(†)	(†)	(†)	24,100	(†)	20,100	(†)	22,600	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-31–Con.

Field and employment status	Total	Business and industry	Educational institutions: 4-year college/ university	Educational institutions: 2-year college	Educational institutions: Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Mathematical scientists	$19,800	$20,700	$19,400	$16,000	(†)	(†)	$23,100	$21,700	$15,000	$17,000	(†)	$20,700	(†)
Employed:													
In science or engineering .	19,700	20,900	19,000	16,000	(†)	(†)	23,300	21,600	15,400	17,000	(†)	21,000	(†)
In other than science or engineering	18,500	18,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	22,900	(†)	21,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Mathematicians	19,700	21,800	19,200	16,000	(†)	(†)	23,900	20,900	(†)	16,800	(†)	20,200	(†)
Employed:													
In science or engineering .	19,600	22,700	18,900	16,000	(†)	(†)	(†)	20,900	(†)	16,800	(†)	18,900	(†)
In other than science or engineering	18,600	18,500	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	20,700	(†)	20,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Statisticians	20,000	20,200	20,200	(†)	(†)	(†)	(†)	23,200	14,200	17,400	(†)	21,800	(†)
Employed:													
In science or engineering .	19,900	20,200	19,500	(†)	(†)	(†)	(†)	23,100	14,500	17,400	(†)	21,600	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Computer specialists	18,400	18,200	17,000	(†)	(†)	(†)	17,800	20,900	15,700	18,300	$19,500	19,300	(†)
Employed:													
In science or engineering .	18,400	18,200	17,100	(†)	(†)	(†)	17,800	21,000	15,700	18,300	19,400	19,300	(†)
In other than science or engineering	18,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Environmental scientists	20,100	20,200	19,300	18,100	(†)	(†)	(†)	21,400	14,900	19,600	20,800	19,300	(†)
Employed:													
In science or engineering .	20,000	20,200	19,000	(†)	(†)	(†)	(†)	21,400	14,800	19,700	20,700	19,200	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	21,200	(†)	21,600	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-31–Con.

			Educational institutions										
Field and employment status	Total	Business and industry	4-year college/ university	2-year college	Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Earth scientists	$19,700	$20,200	$18,800	$18,100	(†)	(†)	(†)	$20,600	$14,700	$18,900	$20,800	$18,800	(†)
Employed:													
In science or engineering	19,700	20,200	18,400	(†)	(†)	(†)	(†)	20,600	14,600	18,900	20,700	18,700	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	21,400	(†)	21,800	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Oceanographers	20,700	(†)	21,400	(†)	(†)	(†)	(†)	22,100	(†)	(†)	(†)	(†)	(†)
Employed:													
In science or engineering	20,800	(†)	21,700	(†)	(†)	(†)	(†)	22,100	(†)	(†)	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Atmospheric scientists	22,300	(†)	20,900	(†)	(†)	(†)	(†)	22,800	(†)	(†)	(†)	(†)	(†)
Employed:													
In science or engineering	22,300	20,400	(†)	(†)	(†)	(†)	(†)	22,800	(†)	(†)	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Engineers	19,400	19,000	20,800	18,500	$19,700	(†)	$20,700	22,300	17,400	19,400	19,300	19,700	(†)
Employed:													
In science or engineering	19,400	18,900	21,000	18,600	19,800	(†)	20,700	22,300	17,400	19,500	19,000	19,600	(†)
In other than science or engineering	20,900	21,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	20,400	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	21,100	(†)	20,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Life scientists	17,800	18,300	19,200	16,500	13,600	15,200	15,600	17,700	13,900	15,000	(†)	17,000	(†)
Employed:													
In science or engineering	17,600	18,000	19,000	16,100	13,500	15,300	17,300	17,700	14,000	15,000	(†)	17,000	(†)
In other than science or engineering	18,900	18,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	18,300	(†)	20,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-31—Con.

Field and employment status	Total	Business and industry	Educational institutions			Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
			4-year college/ university	2-year college	Other								
Agricultural scientists	$17,100	$17,900	$18,600	(†)	(†)	(†)	(†)	$17,100	$13,400	$14,700	(†)	$ 20,100	(†)
Employed:													
In science or engineering .	17,000	17,900	18,200	(†)	(†)	(†)	(†)	17,100	13,500	14,700	(†)	20,300	(†)
In other than science or engineering	18,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Biological scientists	17,900	18,900	19,000	$15,700	$13,400	(†)	16,000	18,800	14,100	15,400	(†)	16,800	(†)
Employed:													
In science or engineering .	17,800	16,700	19,100	15,700	13,400	(†)	18,200	18,700	14,100	15,500	(†)	16,700	(†)
In other than science or engineering	23,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	15,600	(†)	16,700	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Medical scientists	19,700	(†)	20,700	(†)	(†)	$15,700	(†)	25,000	(†)	(†)	(†)	17,600	(†)
Employed:													
In science or engineering .	19,300	(†)	20,500	(†)	(†)	15,300	(†)	25,200	(†)	(†)	(†)	17,600	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	20,100	(†)	24,100	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Psychologists	19,400	19,600	19,300	18,300	19,400	18,300	21,300	22,700	17,700	18,400	(†)	25,700	(†)
Employed:													
In science or engineering .	19,200	19,600	19,100	17,900	19,200	18,100	20,400	23,900	15,900	18,400	(†)	25,500	(†)
In other than science or engineering	18,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	23,400	(†)	23,200	(†)	23,100	21,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Social scientists	20,200	24,300	20,100	18,200	19,700	16,400	17,500	24,600	14,100	17,900	$25,500	20,800	(†)
Employed:													
In science or engineering .	20,000	25,400	19,900	18,200	(†)	15,900	17,300	24,600	14,200	17,800	(†)	21,300	(†)
In other than science or engineering	22,200	20,800	26,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment .	21,100	(†)	20,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

Table B-31—Con.

Field and employment status	Total	Business and industry	Educational institutions 4-year college/ university	 2-year college	 Other	Hospital/ clinic	Non-profit organ-ization	Federal Government	State government	Local government	Other government	Other	No report
Economists	$22,300	$24,500	$21,100	(†)	(†)	(†)	$23,400	$24,600	$16,700	$21,400	(†)	$23,700	(†)
Employed:													
In science or engineering	22,500	25,200	20,700	(†)	(†)	(†)	23,500	24,700	16,700	21,400	(†)	25,200	(†)
In other than science or engineering	20,500	24,000	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	22,100	(†)	21,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Sociologists/anthropologists	19,000	(†)	19,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Employed:													
In science or engineering	18,700	(†)	19,300	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
In other than science or engineering	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	19,500	(†)	18,900	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Other social scientists	18,600	23,600	19,900	(†)	(†)	(†)	16,700	24,700	12,700	17,500	(†)	(†)	(†)
Employed:													
In science or engineering	18,000	(†)	19,600	(†)	(†)	(†)	16,600	24,600	12,800	17,400	(†)	(†)	(†)
In other than science or engineering	23,400	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Science or engineering not reported	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)
Postdoctoral appointment	20,800	(†)	20,200	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)	(†)

(†) Less than 20 sample saces reported.

Source: National Science Foundation, National Sample, 1974.

APPENDIX C

A Listing of Detailed Statistical Tables

PART 1. DEMOGRAPHIC AND EDUCATIONAL CHARACTERISTICS

Scientists and Engineers by Field

B-1 By sex and age: 1974
B-2 By race and age: 1974
B-3 By sex and race: 1974
B-4 By sex and highest degree: 1974
B-5 By highest degree and age: 1974
B-6 By highest degree and race: 1974
B-7 By highest degree and nonformal training in 1972: 1974
B-8 By highest degree and nonformal training in 1973: 1974
B-9 By highest degree and professional identification: 1974
B-10 By major subject of study for highest degree held and highest degree: 1974

Women Scientists and Engineers by Field

B-11 By race and age: 1974
B-12 By highest degree and age: 1974
B-13 By highest degree and race: 1974

PART 3. GEOGRAPHIC CHARACTERISTICS (to be published)

B-1. Number of scientists and engineers by State: 1974
B-2. Number of employed scientists and engineers by State: 1974
B-3. Number of scientists and engineers receiving Federal support by State and agency of support: 1974

Scientists and Engineers by Standard Metropolitan Statistical Area

B-4. By field: 1974
B-5. By highest degree: 1974
B-6. By type of employer: 1974
B-7. By primary work activity: 1974

Median Annual Salaries by Standard Metropolitan Statistical Area

B-8. Total
B-9. By field: 1974
B-10. By highest degree: 1974
B-11. By type of employer: 1974
B-12. By primary work activity: 1974

APPENDIX D

Reproduction of 1974 Questionnaire and Reference Lists

O.M.B. No. 41-S73084; Approval Expires December 31, 1974

FORM **PMS-14A**
(10-23-73)

U.S. DEPARTMENT OF COMMERCE
SOCIAL AND ECONOMIC STATISTICS ADMIN.
BUREAU OF THE CENSUS

1974 NATIONAL SURVEY OF SCIENTISTS AND ENGINEERS

NOTICE – Your report to the Census Bureau is confidential by law (Title 13, U.S. Code). It may be seen only by sworn Census employees and may be used only for statistical purposes.

Please read instructions carefully before answering questions.

Answer as accurately as you can by printing your reply clearly or by entering an "X" in the box next to the appropriate reply.

If the instructions for a question direct you to enter a code and description from a list, please refer to the reference list attached to this questionnaire.

A. Is the information shown in the mailing label above correct?

☐ YES

☐ NO – *Please enter the correct information*

Name

Number and street

City or town | State (if USA) ⓪①⓪ ☐☐☐ | ZIP code

Foreign country

B. Is this mailing address the same address as your place of residence?

☐ SAME

☐ DIFFERENT – *Please enter your city and State or foreign country of residence.*

City or town | State (if USA) ⓪①① ☐☐☐ | ZIP code

Foreign country

Dear Friend:

Let us express our appreciation for your cooperation in the 1972 Professional, Technical, and Scientific Manpower Survey which we conducted under the sponsorship of the National Science Foundation. Reports including statistical summaries based on this survey are now being used in analysis and planning by Federal and State manpower agencies, private businesses, nonprofit research organizations, industrial and trade associations, and university scholars.

As you are very likely aware, there have been significant changes in the past few years in the patterns of both public and private expenditures related to science and technology. It is important to know how these changes affect highly trained persons. The sample of persons canvassed in the 1972 survey is unique in its coverage of scientific and technical manpower and, for this reason, the National Science Foundation has asked the Bureau to again survey this panel to obtain current employment information and related data. For the survey to be successful and yield truly representative information, it is important that each person fill out and return his questionnaire.

Please complete the questions which follow on pages 2 through 4 and return your questionnaire in the enclosed preaddressed envelope. For most persons only a portion of the questions are applicable and need to be completed. For some questions you are instructed to enter a code and description from Reference List A, B, or C. These lists are attached to the questionnaire.

Please be assured that the information you provide is confidential by law and may be seen only by sworn Census employees; it cannot be used for anything but statistical purposes and cannot be given to any other Government agency, private concern, or individual except in the form of statistical summaries from which it is impossible to identify information about any particular person.

Your participation in this voluntary survey will be appreciated.

Thank you for your cooperation.

Sincerely,

Vincent P Barabba

VINCENT P. BARABBA
Director
Bureau of the Census

Enclosure

PART I – EDUCATION AND TRAINING

1. EDUCATIONAL ATTAINMENT

How many years of education or formal training BEYOND HIGH SCHOOL have you COMPLETED? (Include college, junior college, graduate school, law school, business college, technical institute, etc., but **do not include** work taken through correspondence courses, on-the-job training, apprenticeship, or at employer's training facility. For any education received in foreign or ungraded schools, mark the equivalent number of years in the regular American school system.)

(012)
- ☐ 0 years
- ☐ 1 year
- ☐ 2 years
- ☐ 3 years
- ☐ 4 years
- ☐ 5 years
- ☐ 6 years
- ☐ 7 years
- ☐ 8 years or more

2. EDUCATION SINCE 1971

a. Since 1971, have you attended any college, university, or other post-high school institution?

(013)
1 ☐ Yes – *Continue with 2b*
2 ☐ No – *SKIP to question 3*

b. List below each institution from which you have obtained or are currently obtaining formal training beyond the high school level and give the other information requested. Begin with the most recent and work back through 1972. Use a separate column for each degree granted or worked for. Designate degrees by abbreviation (e.g., A.A., B.A., M.A., Ph.D., LL.B., M.D., etc.). **Do not include** work taken through correspondence courses, on-the-job training, apprenticeship, or at employer's training facility.

	MOST RECENT	SECOND-TO-LAST	THIRD-TO-LAST
	(014) ☐☐☐	(015) ☐☐☐	(016) ☐☐☐
(1) College, university, etc. *(Enter name, city, and State or foreign country)*	Name __________ City __________ State or foreign country	Name __________ City __________ State or foreign country	Name __________ City __________ State or foreign country
(2) Year attendance ended	(017) 2 ☐ 1972 3 ☐ 1973 4 ☐ 1974 5 ☐ Now enrolled	(018) 2 ☐ 1972 3 ☐ 1973 4 ☐ 1974	(019) 2 ☐ 1972 3 ☐ 1973
(3) Type of degree worked for, if any *(Enter A.A., B.S.E.E., B.A., etc. or mark "None" box)*	(020) __________ x ☐ None	(021) __________ x ☐ None	(022) __________ x ☐ None
(4) Year degree awarded or to be awarded *(Enter year or mark "None" box)*	(023) 19________ x ☐ None	(024) 19________ x ☐ None	(025) 19________ x ☐ None
(5) Major field of study *(Enter code and description from Reference List A.)*	(026) Code ☐☐☐ Description __________	(027) Code ☐☐☐ Description __________	(028) Code ☐☐☐ Description __________

3. OTHER TRAINING SINCE 1971

Aside from formal education, which of the following types of training did you receive in 1972 or 1973?

(Mark the appropriate year for each type of training you have received.)

	(029) 1972	(030) 1973
1. On-the-job training	1 ☐	1 ☐
2. Military training applicable to civilian occupations	2 ☐	2 ☐
3. Extension or correspondence courses	3 ☐	3 ☐
4. Courses at employers training facility	4 ☐	4 ☐
5. Courses at adult education center	5 ☐	5 ☐
6. Other training	6 ☐	6 ☐
7. None	7 ☐	7 ☐

PART II – WORK STATUS

(Complete questions 4 through 9 for column (A) and then for column (B))

	Work status during the last full week in January 1974 (January 20–26) **(A)**	Work status during the last full week in January 1973 (January 21–27) **(B)**
4. Were you working during that week?	(031) 1 ☐ Yes, working full time – *SKIP to 6* 2 ☐ Yes, working part time – *Continue with 5* 3 ☐ No, not working – *SKIP to 8*	(032) 1 ☐ Yes, working full time – *SKIP to 6* 2 ☐ Yes, working part time – *Continue with 5* 3 ☐ No, not working – *SKIP to 8*
5. If you worked part time, were you seeking full-time employment?	(033) 1 ☐ Yes, seeking full-time work 2 ☐ No, preferred part-time work 3 ☐ No, full-time work not available	(034) 1 ☐ Yes, seeking full-time work 2 ☐ No, preferred part-time work 3 ☐ No, full-time work not available
6. Were you working in a position related to science or engineering?	(035) 1 ☐ Yes – *SKIP to 9* 2 ☐ No – *Continue with 7*	(036) 1 ☐ Yes – *SKIP to 9* 2 ☐ No – *Continue with 7*
7. If you were working in a position NOT related to science or engineering, what was the MOST important reason for taking this position?	*(MARK ONLY ONE BOX)* (037) 1 ☐ Preferred nonscience or nonengineering position 2 ☐ Promoted out of science or engineering position 3 ☐ Pay was better in nonscience or nonengineering position 4 ☐ Locational preference 5 ☐ Science or engineering position not available 6 ☐ Other – *Specify* __________	*(MARK ONLY ONE BOX)* (038) 1 ☐ Preferred nonscience or nonengineering position 2 ☐ Promoted out of science or engineering position 3 ☐ Pay was better in nonscience or nonengineering position 4 ☐ Locational preference 5 ☐ Science or engineering position not available 6 ☐ Other – *Specify* __________
8. If you were not working, were you principally —	*(MARK ONLY ONE BOX)* (039) 1 ☐ On vacation or otherwise temporarily absent from a job for health or personal reasons 2 ☐ On temporary layoff from a job 3 ☐ Looking for work 4 ☐ Retired 5 ☐ Student 6 ☐ Tending to family responsibilities 7 ☐ Other – *Specify* __________	*(MARK ONLY ONE BOX)* (040) 1 ☐ On vacation or otherwise temporarily absent from a job for health or personal reasons 2 ☐ On temporary layoff from a job 3 ☐ Looking for work 4 ☐ Retired 5 ☐ Student 6 ☐ Tending to family responsibilities 7 ☐ Other – *Specify* __________
9. Were you on a post doctoral appointment?	(041) 1 ☐ Yes 2 ☐ No	(042) 1 ☐ Yes 2 ☐ No

PART III – JOB ACTIVITIES

INSTRUCTIONS FOR COMPLETING QUESTIONS 10–18

a. Complete column (A) for questions 10 through 18 for the job held during the last full week of January 1974 or for your most recent prior job held.

b. Column (B) should be completed if the job you had during the last full week of January 1973 differed from the job described in column (A). If the job was the same, mark (X) the "Same job as column (A)" box at the top of column (B). **NOTE:** Consider a change in jobs to have occurred if there were significant changes in duties, level of responsibility, or occupation even if you continued to work for the same employer.

c. If you held more than one job during the weeks mentioned above, please report **only** the job at which you worked the greatest number of hours.

	Job held during week of January 20–26, 1974 or most recent prior job **(A)**	Job held during week of January 21–27, 1973 **(B)** SAME JOB AS COLUMN (A) (043) ☐
10. Where did you work? *Location (city and State or foreign country) of company, business, agency, or other employer.*	(044) ☐☐☐ City ________ (046) ☐☐☐ State or foreign country ________	(045) ☐☐☐ City ________ (047) ☐☐☐ State or foreign country ________
11. What kind of business was this? *Enter code and description from Reference List B. If the organization conducted activities at different locations (e.g., research at one location and manufacturing at another), enter the activity at the location where you worked.*	(048) Code ☐☐☐ Description ________	(049) Code ☐☐☐ Description ________
12. What was your occupation? *Enter code and description from Reference List C.*	(050) Code ☐☐☐ Description ________	(051) Code ☐☐☐ Description ________
13. What work activities were related to this position? *(Mark all activities in which you spent time)*	01 ☐ Management or administration of research and development 02 ☐ Management or administration of other than research and development 03 ☐ Teaching and training –preparing and teaching courses, guiding and counseling students or trainees 04 ☐ Basic research 05 ☐ Applied research 06 ☐ Development – product, process, and technical development 07 ☐ Report and technical writing, editing, information retrieval 08 ☐ Clinical diagnosis – diagnosis, treatment, etc. for patients or clients 09 ☐ Design –of equipment, processes, models; drafting, drawing, blueprints 10 ☐ Quality control, testing, evaluation, or inspection of equipment, materials, devices 11 ☐ Operations – production, maintenance, construction, installation 12 ☐ Distribution – sales, traffic, purchasing, customer and public relations 13 ☐ Statistical work – designing and conducting sample and other surveys, forecasting, statistical analysis 14 ☐ Consulting – on technical aspects of professional, scientific, and management fields or products 15 ☐ Computer applications – programming, data systems analysis, development of programming techniques, controlling computer operations 16 ☐ Other activities – *Specify* ↴	01 ☐ Management or administration of research and development 02 ☐ Management or administration of other than research and development 03 ☐ Teaching and training – preparing and teaching courses, guiding and counseling students or trainees 04 ☐ Basic research 05 ☐ Applied research 06 ☐ Development – product, process, and technical development 07 ☐ Report and technical writing, editing, information retrieval 08 ☐ Clinical diagnosis – diagnosis, treatment, etc. for patients or clients 09 ☐ Design –of equipment, processes, models; drafting, drawing, blueprints 10 ☐ Quality control, testing, evaluation, or inspection of equipment, materials, devices 11 ☐ Operations – production, maintenance, construction, installation 12 ☐ Distribution – sales, traffic, purchasing, customer and public relations 13 ☐ Statistical work – designing and conducting sample and other surveys, forecasting, statistical analysis 14 ☐ Consulting – on technical aspects of professional, scientific, and management fields or products 15 ☐ Computer applications – programming, data systems analysis, development of programming techniques, controlling computer operations 16 ☐ Other activities – *Specify* ↴
14. Among all the activities marked above (in question 13) which in terms of working hours spent was your primary and which was your major secondary activity? *Fill in the appropriate code numbers from the activities in question 13.*	CODE (052) ______ Primary (054) ______ Secondary	CODE (053) ______ Primary (055) ______ Secondary
15. Were you primarily —	*(MARK ONLY ONE BOX)* (056) 1 ☐ Employee of private company, business, or individual for wages, salary, or commissions 2 ☐ Employee of nonprofit organization (excluding government) 3 ☐ Federal government employee 4 ☐ State government employee 5 ☐ Local government employee (city, county, etc.) 6 ☐ Employee of international organization Self-employed in own business, profession, or farm 7 ☐ Own business – not incorporated 8 ☐ Own business – incorporated 9 ☐ Working without pay in family business or farm	*(MARK ONLY ONE BOX)* (057) 1 ☐ Employee of private company, business, or individual for wages, salary, or commissions 2 ☐ Employee of nonprofit organization (excluding government) 3 ☐ Federal government employee 4 ☐ State government employee 5 ☐ Local government employee (city, county, etc.) 6 ☐ Employee of international organization Self-employed in own business, profession, or farm 7 ☐ Own business – not incorporated 8 ☐ Own business – incorporated 9 ☐ Working without pay in family business or farm

PART III – JOB ACTIVITIES – Continued

	Job held during week of January 20–26, 1974, or most recent prior job (A)	Job held during week of January 21–27, 1973 (B) SAME JOB AS COLUMN (A) ☐
16. Between what dates did you hold this position? *Enter month and year*	From (058) To (059)	From (060) To (061)
17. What was the basic salary associated with this position? If you were on a post-doctoral appointment, include stipend plus allowances. Indicate whether the figure entered is per year, per month, or per week. (Basic salary refers to salary before deductions for income tax, social security, retirement, etc., but does not include bonuses, overtime, summer teaching, or other payment for secondary jobs.)	(062) $ ________ .00 (064) 1 ☐ Per year 2 ☐ Per month 3 ☐ Per week **If academically employed, mark whether salary is for –** (066) 1 ☐ 9–10 months 2 ☐ 11–12 months	(063) $ ________ .00 (065) 1 ☐ Per year 2 ☐ Per month 3 ☐ Per week **If academically employed, mark whether salary is for –** (067) 1 ☐ 9–10 months 2 ☐ 11–12 months
18a. Was ANY of your work supported or sponsored by U.S. Government funds?	(068) 1 ☐ Yes – *Continue with 18b* 2 ☐ No . . . . . . } *SKIP to 19a* 3 ☐ Don't know }	(069) 1 ☐ Yes – *Continue with 18b* 2 ☐ No . . . . . . } *SKIP to 19a* 3 ☐ Don't know }
b. Which of the following agencies or departments were supporting the work?	(070) 1 ☐ Department of Housing and Urban Development 2 ☐ Department of the Interior 3 ☐ Department of Labor 4 ☐ Department of Defense 5 ☐ Department of Commerce 6 ☐ Department of Agriculture (072) 7 ☐ Department of Transportation 8 ☐ Department of Justice Department of Health, Education and Welfare 9 ☐ NIH (National Institutes of Health) 10 ☐ Health Services and Mental Health Administration (074) 11 ☐ Office of Education 12 ☐ Other H.E.W. – *Specify* ↗ ________ 13 ☐ NASA (National Aeronautic and Space Administration) (076) 14 ☐ NSF (National Science Foundation) 15 ☐ EPA (Environmental Protection Agency) 16 ☐ AEC (Atomic Energy Commission) (078) 17 ☐ AID (Agency for International Development) 18 ☐ Other agency or department – *Specify* ↗ ________ 19 ☐ Don't know source agency	(071) 1 ☐ Department of Housing and Urban Development 2 ☐ Department of the Interior 3 ☐ Department of Labor 4 ☐ Department of Defense 5 ☐ Department of Commerce 6 ☐ Department of Agriculture (073) 7 ☐ Department of Transportation 8 ☐ Department of Justice Department of Health, Education and Welfare 9 ☐ NIH (National Institutes of Health) 10 ☐ Health Services and Mental Health Administration (075) 11 ☐ Office of Education 12 ☐ Other H.E.W. – *Specify* ↗ ________ 13 ☐ NASA (National Aeronautic and Space Administration) (077) 14 ☐ NSF (National Science Foundation) 15 ☐ EPA (Environmental Protection Agency) 16 ☐ AEC (Atomic Energy Commission) (079) 17 ☐ AID (Agency for International Development) 18 ☐ Other agency or department – *Specify* ↗ ________ 19 ☐ Don't know source agency

PART IV – OTHER INFORMATION

19a. At anytime during calendar year 1973, were you without a job AND actively seeking employment?	(080) 1 ☐ Yes – *Continue with 19b* 2 ☐ No – *SKIP to question 20*
b. For how many weeks were you seeking employment?	(081) ☐ 1 week ☐ 2 weeks ☐ 3 weeks ☐ 4 weeks or more
20. Based on my total education and experience, I now regard myself professionally as a (an) –– *Enter code and description from Reference List C*	(082) Code ☐☐☐ Description ________
21. Listed at the right, are selected topics of critical national interest. If you devote a significant proportion of your professional time to any of these problem areas, please mark the box for the one on which you spend the MOST time. *Mark only one box*	(083) 01 ☐ Health Education: 02 ☐ Teaching 03 ☐ Other 04 ☐ Environment protection, pollution control 05 ☐ Space 06 ☐ Crime prevention and control 07 ☐ Food production and technology 08 ☐ Energy and fuel 09 ☐ Other mineral resources 10 ☐ Community development and services 11 ☐ Housing (planning, design, construction) 12 ☐ Does not apply
22. In the event that it is necessary to contact you to clarify some of the information you provide, may we contact you by telephone? *If "Yes," please enter the telephone number(s) on which you can be reached.*	☐ Yes ⟶ Area code ____ Telephone number ____ ☐ No
23. Please enter the name of a person at an address other than yours through whom you can be reached	Name Address *(Number and street)* City / State or foreign country / ZIP code

Print your name here

Date prepared

REFERENCE LIST A – MAJOR FIELDS OF STUDY

This list is to be used in answering question 2b about the field(s) in which you have obtained study or training. It is divided into two sections: Section I is a list of fields of academic study generally leading to bachelor's or higher degrees; Section II is a list of fields of study and training below that generally leading to a bachelor's degree.

Please scan the entire list, choose the appropriate answer for the question and then enter the code and description in the appropriate section of question 2b. If none of the categories listed below adequately describes what you were studying or being trained in, use the "Other" category (code 600 or 625) and enter a brief description of what you were studying in the space provided on the questionnaire.

Section I – FIELDS OF ACADEMIC STUDY LEADING TO BACHELOR'S OR HIGHER DEGREES

Code	Description
	Biological and Agricultural Sciences and Related Fields
501	Agriculture, business
502	Agriculture, general
503	Agronomy, field crops
504	Anatomy and histology
505	Animal physiology
506	Animal science
507	Bacteriology, virology, mycology, parsitology
508	Biochemistry
509	Biology, general
510	Biophysics
511	Botany, general
512	Dairy science (dairy husbandry)
513	Entomology
514	Farm management
515	Fish and game or wildlife management
516	Food science (food technology and processing, dairy manufacturing and technology, food industry)
517	Forestry
518	Genetics
519	Horticulture
520	Immunology
521	Microbiology
522	Plant pathology
523	Plant physiology
524	Soil science (soil management, soil conservation)
525	Zoology, general
526	Biological and agricultural sciences, other fields
	Education
527	Biological sciences education
528	Mathematics education
529	Physical sciences education
530	Trade and industrial training
531	Education, other fields
	Engineering
532	Aerospace, aeronautical, astronautical, and related fields
533	Agricultural
534	Architectural
535	Chemical, petroleum refining
536	Civil, construction, transportation
537	Electrical, electronics
538	Engineering sciences, mechanics, physics
539	Engineering, technology
540	Environmental/Sanitary engineering
541	General or unified
542	Industrial
543	Mechanical
544	Metallurgical, materials, ceramics
545	Mining, mineral
546	Naval architecture and marine engineering
547	Nuclear
548	Operations Research/Systems Engineering
549	Petroleum
550	Engineering, other fields
	Health Fields
551	Medicine or premedicine, and clinical medical sciences
552	Nursing (4 year or longer program)
553	Pathology
554	Pharmacology
555	Pharmacy
556	Health professions, other fields (4 year or longer program)

Code	Description
	Mathematical Sciences
557	Mathematics
558	Statistics and actuarial sciences
559	Computer sciences and systems analysis
	Physical Sciences
560	Astronomy
561	Chemistry
593	Geography
563	Meteorology
564	Physics
565	Physical sciences, general
566	Geology and geophysics
567	Oceanography
568	Physical sciences, other fields
	Psychology
569	Clinical
570	Educational
571	General psychology
572	Psychology, other fields
	Social Sciences
573	Anthropology
574	Area studies, regional studies
575	Economics, agricultural
576	Economics, except agricultural
577	Foreign service programs
593	Geography
579	History
580	Industrial relations
581	International relations
582	Political science or government
583	Public administration
584	Social sciences, general
585	Social work, social administration, social welfare
586	Sociology
587	Social sciences, other fields
	Arts, Humanities, and Other Specialties
588	Arts, general
589	Business and commerce, including accounting, hotel and restaurant administration, and secretarial studies
590	English and journalism
591	Fine and applied arts, all fields
592	Foreign language and literature, all fields
593	Geography
594	Home economics, all fields
595	Law or prelaw
596	Library science
597	Military science, including merchant marine deck officer
598	Philosophy, all fields
599	Religion and theology, all fields
600	Other *(Describe briefly under the applicable item on the questionnaire.)*

Section II – FIELDS OF ACADEMIC STUDY AND OCCUPATIONAL TRAINING RELATED TO PROGRAMS BELOW THE BACCALAUREATE

Code	Description
	Data Processing-related fields of study or training
601	Computer programming
602	Computer operating
603	All other data processing fields of study or training
	Engineering-related fields of study or training
604	Drafting and design, all fields
605	Aeronautical technology
606	Architectural or building technology
607	Chemical technology
608	Civil technology
609	Electrical and electronics technology
610	Industrial technology
611	Mechanical technology
612	All other engineering-related fields of study or training
	Science-related fields of study or training
613	Agriculture
614	Forestry
615	Other science-related fields of study or training

Code	Description
	Other fields of study or training
616	Business and commerce-related fields of study or training
617	Craft (skilled) occupations-related fields of study or training (such as carpentry, bricklaying, tool and die making, etc.)
618	Educational-related fields of study or training
619	Home economics
620	Nursing and other health service-related fields of study or training
621	Operative occupations-related fields of study or training (such as machine operation, driving, inspecting, etc.)
622	Police technology or law enforcement
623	Sales and marketing-related fields of study or training
624	Service occupations-related fields of study or training (such as cook, beautician, firefighter, etc.)
625	All other fields of study or training *(Describe briefly under the applicable item on the questionnaire.)*

REFERENCE LIST B – KINDS OF BUSINESSES

This list is to be used in answering question 11 about the kind(s) of business or industry for which you worked. Please scan the entire list, choose the appropriate answer for the question and enter the code and description from this list. If none of the categories listed below adequately describes the kind of business for which you worked, use the "Other" category (code 731).

Code	Description
	Manufacturing
701	Aircraft, aircraft engines, parts
702	Chemicals and allied products
703	Electrical machinery, equipment and supplies for the generation, storage, transformation, transmission, and utilization of electrical energy
704	Electronic apparatus, radio, television and communication equipment and parts
705	Electronic computers, accounting, calculating and office machinery and equipment
706	Fabricated metal products (except ordnance, machinery and transportation equipment)
707	Machinery (except electrical) including engines and turbines, farming and construction machinery, mining, metalworking and other manufacturing and service industry machines
708	Motor vehicles and motor vehicle equipment including trucks, buses, automobiles, railroad engines and cars
709	Ordnance, including manufacture of arms, ammunition, tanks, and complete guided missiles, space vehicles and equipment
710	Petroleum refining and related industries
711	Primary metal industries, including smelting, refining, rolling, drawing, alloying, and manufacture of castings, forgings and other basic metal products
712	Professional and scientific equipment and supplies
713	Other manufacturing including printing and publishing
	Educational Institutions
714	College or university (offering at least a BA degree)
715	Junior college or technical institute
716	Medical school
717	Other educational institutions
	Health Services
718	Hospital or clinic
719	Other medical and health services

Code	Description
	Other Kinds of Business
720	Agriculture, forestry, and fisheries
721	Business, personal, and repair services
722	Construction
723	Engineering or architectural services
724	Finance, insurance, or real estate
725	Mining and petroleum extraction
726	Private, nonprofit organizations other than educational institutions and hospitals
727	Professional and technical societies
728	Research institutions
729	Retail and wholesale trade
730	Transportation, communication, or other public utilities
731	Other *(Describe briefly under the applicable item on the questionnaire.)*
	Public Administration (Include only uniquely governmental activities, such as the U.S. Postal Service, U.S. Air Force, State court, Department of Motor Vehicles, city building inspection, or city public welfare. For example, if you work for the U.S. Postal Service use code 733, Federal public administration; on the other hand, if you work at a Veterans' Administration Hospital, use code 718, Hospital or clinic; if you work at a State university, use code 714, College or university; if you work for a county road building agency, use code 722, Construction; if you work in a Defense Department research laboratory, use code 728, Research institution.)
732	Uniformed military service
733	Federal public administration
734	State public administration
735	Local public administration (city, county, etc.)
736	Other government

REFERENCE LIST C – OCCUPATIONS

This list is to be used in answering questions 12 and 20 about your occupational classification. Please scan the entire list, choose the appropriate entry and enter the code and description from this list. If you cannot find exactly the right entry, please choose the one that comes nearest to it. If none of the entries is at all appropriate, use the "Other" category (code 475) and enter a brief description in the space provided on the questionnaire.

Code	Description
	Engineers, including college professors and instructors
401	Engineer, aeronautical and astronautical
402	Engineer, agricultural
403	Engineer, chemical
404	Engineer, civil and architectural
405	Engineer, electrical and electronic
406	Engineer, industrial
407	Engineer, mechanical
408	Engineer, metallurgical and materials
409	Engineer, mining and petroleum
410	Engineer, nuclear
411	Engineer, environmental and sanitary
412	Engineer, operations research systems
413	Engineer, other fields *(Describe briefly under the applicable item on the questionnaire.)*
	Computer Specialist, including college professors and instructors
414	Computer programmer
415	Computer systems analyst
416	Computer scientist
417	Other computer specialist *(Describe briefly under the applicable item on the questionnaire.)*
	Mathematicians and Statisticians, including college professors and instructors
418	Actuary
419	Mathematician
420	Statistician
421	Operations research analyst
	Physical Scientists, including college professors and instructors
422	Chemist
423	Earth scientists including geologists, geophysicists, etc.
424	Physicist, astronomer
425	Atmospheric scientist, meteorologist
426	Oceanographer
427	Other physical scientist *(Describe)*
	Biological Scientists, including college professors and instructors
428	Agricultural scientists, including foresters and conservationists
429	Biological scientist
430	Biochemist
431	Biophysicist
432	Medical scientist, excluding persons who are primarily medical practioners; see Health Occupations
433	Other biological scientist *(Describe)*
	Social scientists, including college professors and instructors
434	Economist
435	Psychologist
436	Sociologist or anthropologist
437	Other social scientist *(Describe briefly under the applicable item on the questionnaire.)*

Code	Description
	Health Occupations, including persons who are primarily practitioners. Persons engaged primarily in medical research, teaching, and similar activities use code 432, Medical scientist.
438	Physician or surgeon
439	Technician, dental
440	Technician, medical
441	Other health occupation *(Describe briefly under the applicable item on the questionnaire.)*
	Technicians and Technologists, except medical
442	Designer, electronic parts and machine tools
443	Designer, industrial
444	Designer, other
445	Draftsman
446	Surveyor
447	Technician, biological and agricultural
448	Technician, electrical and electronic
449	Technician, construction, highways, and architectural
450	Technician, mechanical
451	Technician, other engineering
452	Technician, physical science
453	Technician, other fields *(Describe briefly under the applicable item on the questionnaire.)*
	Teachers
454	Teacher, elementary school
455	Teacher, secondary school
456	Teacher, college and university, excluding engineering and science *(Engineering and science teachers see codes 401–437 above.)*
	Administrators, Managers, and Officials, excluding farm
457	College president or dean
458	Administrator or manager, scientific and technical research and development
459	Administrator or manager, production and operations
460	Administrator, manager, or official, all other, excluding self-employed
461	Self-employed proprietor
	All Other Occupations
462	Accountant
463	Attorney or judge
464	Sales worker
465	Clerical worker (such as bookkeeper, secretary, etc.)
466	Clergy
467	Craft worker (such as baker, carpenter, electrician, mechanic, repair worker)
468	Farmer (owner, manager, tenant, or farm laborer)
469	Fire fighter or police
470	Laborer, except farm
471	Librarian
472	Merchant or shopkeeper, self-employed
473	Operative (such as assembler, factory worker, miner, welder, truck driver, etc.)
474	Postal worker
475	Other occupations, not specified above *(Describe briefly under the applicable item on the questionnaire.)*

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Other Science Resources Publications

REPORTS	NSF No.	Price
Detailed Statistical Tables. Graduate Science Education: Student Support and Postdoctorals, Fall 1975	76-318	—
Detailed Statistical Tables. Expenditures for Scientific Activities at Universities and Colleges, Fiscal Year 1975	76-316	—
Detailed Statistical Tables. Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1975, 1976, and 1977, Volume XXV	76-315	—
1985 R&D Funding Projections	76-314	$0.75
Manpower Resources for Scientific Activities at Universities and Colleges, January 1975	76-311	$1.45
Detailed Statistical Tables. Manpower Resources for Scientific Activities at Universities and Colleges, January 1976	76-321	—
National Patterns of R&D Resources. Funds & Manpower in the United States, 1953-1976	76-310	$0.95
Reviews of Data on Science Resources, No. 27, "Education and Work Activities of Federal Scientific and Technical Personnel, January 1974"	76-308	$0.40
Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1974	76-305	$1.80
Detailed Statistical Tables. Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1974	75-325	—
Reviews of Data on Science Resources, No. 26, "Energy and Energy-Related R&D Activities of Federal Installations and Federally Funded Research and Development Centers: Funds, FY 1973-75 (est.) and Manpower, Jan. 1973-75 (est.)	76-304	$0.35
Projections of Degrees and Enrollment in Science and Engineering Fields to 1985	76-301	$1.15
Reviews of Data on Science Resources, No. 23, "R&D Expenditures of State Public Institutions, Fiscal Year 1973"	75-311	$0.35
R&D Activities of Independent Nonprofit Institutions, 1973	75-308	$1.90
Research and Development in State Government Agencies, Fiscal Years 1972 and 1973	75-303	$1.80
Young and Senior Science and Engineering Faculty, 1974: Support, Research Participation, and Tenure	75-302	$1.70
Projections of Science and Engineering Doctorate Supply and Utilization, 1980 and 1985	75-301	$1.30

HIGHLIGHTS		
"Self-Supported Graduate Science Students Increased by 22 Percent in 1975"	76-320	—
"Real Increases Seen for Federal R&D Funding for Energy, Education, Science, and Defense in FY 1977"	76-319	—
"Federal R&D Funding Shows Moderate Increase for FY 1977"	76-317	—
"Academic R&D Spending Up 12 Percent in FY 1975"	76-307	—
"Industrial R&D Expenditures Rise to $22 Billion in 1974"	76-300	—